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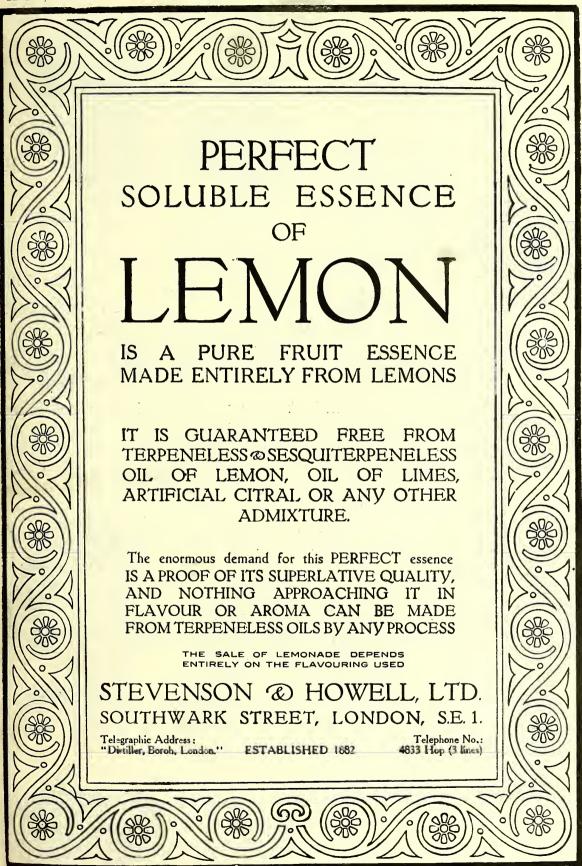
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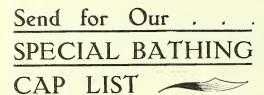
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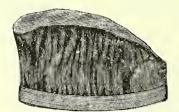
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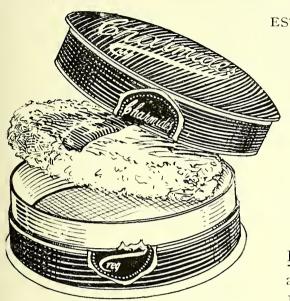
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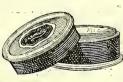
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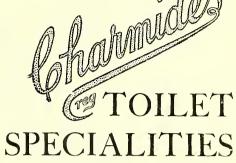


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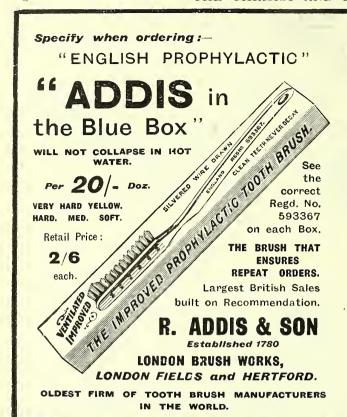
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May 6, 1922.

No. 551.

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The subsidiary trade names, "Parex," "Velfin," and "Meritor," applied to various products of the House of Maw, may also be considered as the property of the pharmacist, inasmuch as they are applied only to goods which the public must purchase from the chemist. Every sale of these goods means extra profit to a qualified chemist, and certain repeats to follow. Make the most of these selling forces, which work for you alone. Push Maw's goods; make the most of the gcodwill of the name of "Maw." Give prominent display to those lines which bear the "Discus" trade mark, and concentrate your selling efforts on "Parex," "Velfin," and "Meritor" goods.

Watch for an interesting development of "Meritor" lines in the near future.

Telephone: City 7 Private Branch Exchange Telegrams: Eleven Cent London

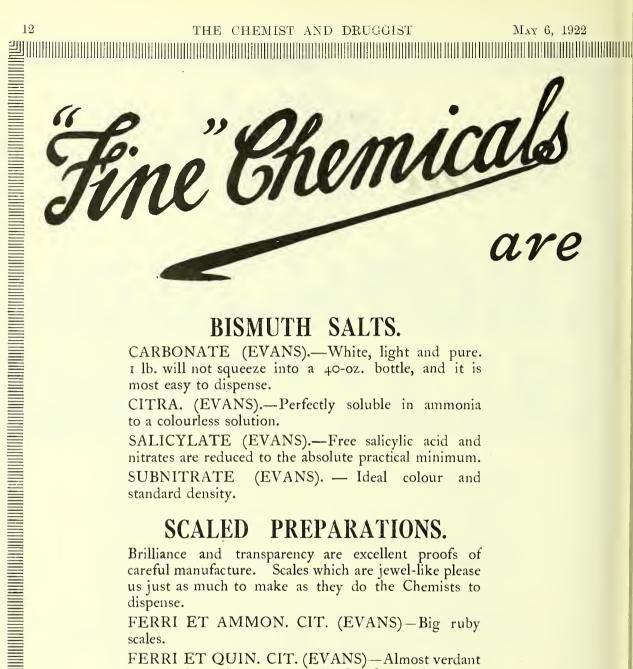
S. Maw, Son & Sons. Ltd.

Aldersgate St., London,

and Barnet.

Cables: Eleven London

Code A.B.C. 448 54 Edition



FERRI ET QUIN. CIT. (EVANS)—Almost verdant green scales which are practically free from sulphate.

We make, also, scaled chemicals to any other recognised formula.



# Evans Chemicals

#### CITRATES.

POTASSIUM (EVANS). — Neutral translucent crystals and white fine granular powder. SODIUM (EVANS).—A perfectly white granular powder.

SPECIAL TERMS FOR CONTRACTS.

#### **GLYCEROPHOSPHATES.**

CALCIUM (EVANS).—A free, fine powder, perfectly white. Its solubility is not attained by any foreign addition.

MAGNESIUM (EVANS)—A free white dry powder. Is soluble in water and practically free from phosphate.

SODIUM AND POTASSIUM (EVANS).—In all the usual varieties, but of the highest purity. Free from phosphate.

IRON (EVANS).—Not deliquescent, and of a most agreeable green colour.

All the above are made by us in our Chemical Laboratories.



#### LEGAL THEFT

Advocate Stealing by recommending

THIS

#### LITTLE CORN THIEF

THE "STUBBORN CORN" REMOVER.

Life Size Plaster Model of the

#### HUMAN FOOT

and ARTISTIC SHOWCARD

Supplied with minimum orders for one gross.



Style A.

NOTE \\
THE \\
PROFIT

SELLS AT

ONE GROSS -

GROSS -COSTS -

PROFIT.

s. 90 0 51 6 38 6

#### "PEDEMOS"

THE MAGIC FOOT EASE

STYLE B. In gold-lacquered round tins with perforated tops.

Per dozen

2½ oz. 5/6 5. oz. 9/9

#### SOUTHALL BROS. BARCLAY Ltd.

PACKED GOODS SPECIALISTS,
BIRMINGHAM.



Style B



## Douche Cans

Complete in Boxes with 6 feet Black or Red non-perishable Indiarubber Tubing, Vulcanite Stopcock, Vagina and Rectum Pipe.

Sizes		2 pt.	3 pt.	4 pt.
Brown Japanned, fig. 817 -	per doz.	39/-	42/-	45/-
Aluminium Coloured, fig. 817	,,	42/-	48/-	54/-
Bronzed (burnt on), fig. 817	,,	45/-	51/-	<b>57</b> /-
White or Brown Japanned,				3
Frame with glass container,				
fig. 822	per doz.	48/-	54/-	60/-

#### For Travelling

Red Combination Douche, and Indiarubber Hot Water Bottle. Packed complete with best quality fitments.

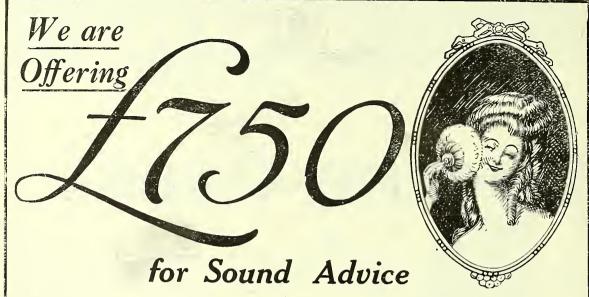
•						2 quart	3 quart
Each -	-	-	•	•	•	9/6	10/6

#### AYRTON, SAUNDERS & Co. LTD

**Manufacturing Chemists** 

Hanover Street, LIVERPOOL

Telegrams: "SUNDRIES LIVERPOOL."



OW often have you not said to the representative of a firm, "Why don't you do this or that or the other?.....then I could sell your lines."

This is exactly what we want you to put up to us. We are ready and willing to profit by your helpful ideas and suggestions, and in our Trade Competitions we are offering large sums of money for the sound advice you give us.

#### SEND US A POSTCARD TO-DAY

asking for our Competition Order Form, which entitles the user to Three Coupons and to Special Terms of purchase. Full particulars with each Order Form.

Whether you are a Proprietor, Manager, or Assistant, you can enter for our Trade Competitions. At shops where DE LUZY is not stocked, Chemists' Assistants may write to us direct for Coupons,

To compete for these Valuable Cash Prizes, write your answer to one of the following questions (limit 250 words)—ideas only, not style, being considered by the judges, whose decision is final.

#### Detailed particulars on request

PROPRIETORS AND BUYERS: Can you suggest a Sales Campaign and Terms more interesting to you than those now in existence? First Prize £100; £300 £300 26 others totalling ...

MANAGERS not authorized to buy: How would you feature DE LUZY in your Shop to obtain better results? First £100 Prize £50; 5 others totalling

ASSISTANTS: What is your method of introducing DE LUZY to a possible customer? First Prize £50; 5 others £100 £100 totalling

No one in any way connected with the DE LUZY organization is allowed to compete. The remainder of the £750 will be divided in prize money to the General Public in Cash Prizes totalling ... ... £250 totalling

Order Forms may be completed at once, but Competition Entries need not be posted before June 23.

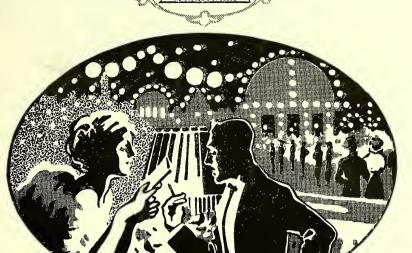
Closing date of Competition, June 23, 1922.

General Manager: W. H. CALNAN. Telephone: Wall 9966.

3 LONDON WALL AVENUE E.C.2.

THE SAME SAME

CO



# OPOPONAX "DISTOL"

IN common with the other thirty-nine "Distol" Ottos, an ounce of Opoponax "Distol," costing 7/6, makes eighty-one ounces of choice perfume by simply adding S.V.R. and Aq. Dest. without filtering, blending, tinting, distillation or any other time-absorbing process. The "Distol" routine is so quick and easy that Pharmacists usually mix for immediate requirements only, and so avoid locking up capital in big stocks of S.V.R.

Sample set of perfumes made from any six "Distols" will be sent to any Pharmacist on request

If high prices have nearly killed your perfumery trade, "Distols" will enable you to revive it by offering perfume at a price that attracts the public and still Laves you a reasonable profit margin.

THOMAS KERFOOT & COLD BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1

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# THE CHEMIST AND DRUGGIST WM. EDWARDS & SONS FOR ALL DRUGGISTS' SUNDRIES AND PROPRIETARY MEDICINES TOILET REQUISITES — COUNTER ADJUNCTS PACKED GOODS 157 QUEEN VICTORIA ST. - 239/240 UPPER THAMES ST. LONDON, E.C.4.

#### HAVE YOU ANYTHING TO CURE HAY FEVER?

This is the question that will soon be asked of every chemist by customers suffering from this distressing complaint. Just hand them a tube of

#### BAR-KA-TAR"

and the deed is done. Costs 7/- doz., 3 doz. lots 6/6. A full size selling sample cheerfully mailed. Well packed in nasal tubes. Showcards for display.

"NUXOCOL" COCOANUT OIL POMADE—another addition to the popular series of Cocoanut Oil preparations. A real hair grower of merit and well worth pushing. Packed in 2 oz. octagonal Opal Pots, high-class finish, showcards.

Price 6/6 doz.; sells at 1/-

WRITE FOR OUR ILLUSTRATED CATALOGUE. WE PACK EVERYTHING NECESSARY TO A CHEMIST'S BUSINESS.

#### SHEN WORKS, TOWER BRIDGE ROAD, ROBERT BLACKIE, LONDON. S.E. 1.

Telephone: HOP 2415.

Telegrams: "USHENSPUNA LONDON."



#### WINDOW DISPLAY

# RETAIL PRICE 1/6 EACH NET (P.A.T.A.)

Attractive Window Display material and Showcards supplied, Sample Tubes supplied gratis in proportion to quantity ordered.

# PRICE 13/6 PER DOZEN.

In order to introduce "Peldo" we are oftering a special bonus for a guaranteed window display of not less than 14 days as follows:

On orders of 1 gross a bonus of 18 fullsize tubes.

On orders of 6 dozen a bonus of 8 fullsize tubes.

On orders of 3 dozen a bonus of 3 fullsize tubes.



We received the following letter on the 22nd of April:

Gentlemen,—

Please send per return 3 dozen 1/6 "Peldo," with full range of window display material as per your offer in today's Chemist and Druggist. What "Peldo" I have sold up to now has given entire satisfaction, and sales are increased purely through users' recommendation. I hope when better known to do big business with this profitable line.

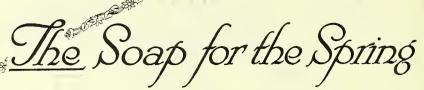
Yours faithfully,

Further particulars on application to

#### C. R. HARKER, STAGG & MORGAN, LTD.

Devon Wharf and Bell Wharf, Emmott Street, MILE END, E.1.

KANDERS GOVERNOOPER SERVENCE S



Chemists desirous of meeting the Spring demand for a really dependable skin soap should enquire about

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#### PRICE'S ZINCO · CREAM

(containing Oxide of Zinc, Sulphur, Lanoline)

for the Skin and Complexion. Removes blemishes, roughness and other disfigurements.

#### RESERVED EXCLUSIVELY FOR CHEMISTS

ZINCO-CREAM SOAP, in its black and amber package, sells readily (in 3 and 12 tab. boxes).

Striking Showcard—Quotations on Request.

THE RESIDENCE OF THE PROPERTY 
PRICE'S, BATTERSEA, S.W. 11.

TO CREATE SALE YOU MUST OFFER ORIGINALITY
AS WELL AS VALUE, QUALITY AND PRICE!!!!!

We have made the manufacture of!

SOAL

ZINCO=CREAM

FOR THE SKIN AND COMPLEXION MEMISHES, ROPOMNESS, AND OTHER

#### POWDER PUFFS

our one speciality, and by constantly creating new distinctive models are able to satisfy the most exacting need of

models are able to satisfy the most exacting need of feminine vanity. The fact that many are looking to us for ideas and the steadily increasing demand for our goods are proof that ORIGINALITY as a selling point is worth studying ORIGINALITY and INDIVIDUALITY are distinctive features of the Powder Puffs we manufacture, and our prices consistent with quality are most advantageous. Convince yourself by favouring us with a visit and inspect the wide range we have on show. Our Wholesale and Export Price List is posted free to any wholesaler or shipper or request.

J. R. BOURLAT, GOES & CO., 22 Prince's Road, HOLLAND PARK, W.11. NEW PHONE NUMBER: PARK 240.

clso VIALS, BLUE POISONS, AND HYGIENIC FEEDERS FURTHER REDUCTION IN PRICES

6 Gross and upwards (assorted or otherwise) sent CARRIAGE PAID.

Good Stock of all kinds. I. ISAACS &

North London Glass Bottle Works, 106 Midland Road, LONDON, N.W. 1.

Warehouse and Stores: Midland Railway Goods Depot, ST. PANCRAS. Phone: Museum 4209. Telegrams. "Isaglasbot, Kincross, London." ESTABLISHED 100 YEARS.

#### THE EVAN WILLIAMS' EMULSIFIED COCOANUT OIL

in liquid form (2 sizes)

in powder form (packets)

They are well up to the Evan Williams' standard of production, sell freely, and give a handsome profit. Write for "The Shampoo Salesman," which gives full details of all our Preparations.

THE EVAN WILLIAMS CO., LTD., 18 & 18a Ogle Street, LONDON, W.1.

The largest Shampoo Specialists in the world.

#### A LIVE LINE WITH A LIVING PROFIT

IT PAYS TO DISPLAY

Extensive
Press
Advertising

N.W.

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New
Display
Material

THE giant dummy tablet as illustrated—with new and effective showcards, will be sent to Chemists making displays of PREMIER VINOLIA SOAP. Our strong and extensive Press Advertising has already given us big stimulus to sales, and we have only just begun the campaign.

HAVE YOU SUFFICIENT STOCK?

## PREMIER VINOLIA SOAP

IS THE SOAP FOR

A BIG REPEAT BUSINESS!

ALWAYS IN DEMAND.

ALWAYS GIVES SATISFACTION

VINOLIA COMPANY LIMITED, BEBINGTON, Near Birkenhead, Cheshire.

#### DEARBORN

37 Gray's Inn Road, LONDON, W.C.

#### **Toilet Specialities.**

	Price per doz. to Retailer.	Selling Price
PILENTA SOAP	10/-	1/-
A complexion soap.		- 1
PROLACTUM For the lips.	10/-	1/-
PARSIDIUM JELLY .	10/-	1/-
For wrinkles.	.0,-	•/-
ALLACITE of ORANGE -	22/6	2/6
A dressing cream. BLOSSOM		· ·
BORANIUM	<b>22</b> /6	2/6
A hair tonic.	00:0	- 1-
SILMERINE Hair-curling fluid.	22/6	2/6
CLEMINITE	22/6	2/6
For a face lotion.	22/0	2/0
COLLIANDUM	22/6	2/6
For a face tint.	,	,
PERGOL	<b>22</b> /6	<b>2</b> / <b>6</b>
A deodorant.	20/0	0/0
STALLAX For a shampoo.	<b>22</b> /6	2/6
IETTALINE	31/6	3/6
For clearing the skin.	31/0	<b>3</b> / <b>0</b>
PHEMINOL	36/-	4/-
A depilatory.	,	,
TEKKO PASTE	<b>22</b> /6	2/6
Camphor cream.		
MENNALINE	36/-	4/-
For the eyelashes MERCOLISED WAX	31/6	3/6
A face cream.	01/0	<b>G</b> / <b>G</b>
STYMOL	36/-	4/-
For oily complexions and blackheads.		,
BARSYDE	22/6	<b>2</b> / <b>6</b>
Dandruff eradicator. TAMMALITE	00/0	0.10
For grey or faded hair.	22/6	2/6
LIOUID PERGOL	31/6	3/6
To check excessive perspiration local		0,0
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.  HARAPOSA	00/0	0/6
Nut oil shampoo.	<b>22</b> /6	2/6
STOCKED BY ALL WHOLES	SALE HO	IISES

STOCKED BY ALL WHOLESALE HOUSES

#### COLONIAL DEPOTS AND AGENCIES:

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarenc: Street, Sydney.

SOUTH AFRICA: LENNON, Ltd. SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg).

INDIA:
KEMP & CO., Ltd. (Bombay).
THE INTERNATIONAL TRADING CO., Princess Street (Bombay).
R. MACLURE (Madras).
SMITH. STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND: SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA: DEARBORN, Ltd. Calla Salta 264, Buenos Aires.

#### "Jackel's Cream



CRYSTALLISED CREAM Trade Mark attached to each bottle.

(without Grease) for THE HAIR

> Sold everywhere Established 1883.

20. 202202202202202202

" Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headwear. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

**游游游游游游游** Prices for Wholesale and Export

Houses on application. Jackel et Cie (of Paris)

Ltd., Sauchiehall Street, GLASGOW.

#### P.A.T.A. NOTICE.

18 Tavistock Square, W.C.1.

May 5th, 1922.

The following prices are now in force :-

M.R.P. M.W.P.

2/- No. 8. CUTEX Nail Powder

Polish ... 2/-

#### D. & W. Gibbs, Ltd., Preps.—

2/- Solidified Insectol ... 16/-

1/- Dentifrice (Alum. Case) ... 1/-8/-

1/-Refills ... 6/6

> (The M.R.P. for Refills will be reduced to 11d. on June 1st.)

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th, 1922

RP. MA

#### L. LEICHNER'S

Grease-paints, Cosmetics,

Powders, &c.

Sole British Agents-

#### VANITIES LTD.

15a Whitcomb Street, Pall Mall East, W.C.2



ALL LINES IN STOCK

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PRICE LISTS ON APPLICATION.

COMPLETE RANGE OF

Packed Pharmaceuticals, Toilet Preparations, "Own Name" Packed Goods.

SUNDRIES--

WWW BERLIN

Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY & Sons, Ltd. LONDON & CARDIFF.

and would keenly appreciate, a monopoly in respect of a good leading line for your district.

one chemist in every town, or district in large towns, to stock and push the sale of our

THE BRITISH ANTI-FILM DENTAL CREAM

DOES WHITEN, POLISH, CLEANSE, AND PRESERVE THE TEETH AS NO OTHER DENTIFRICE CAN.

WE CAN-AND WILL-MAKE IT WORTH WHILE FOR CHEMIST TO BE THE



D.P.' Man

FOR HIS DISTRICT.

> RETAIL PRICE 1/6 Large Tube. TRADE

PRICE 12/per dozen.

Subject to Further Discounts. 10% 1-gross lots.

71% on 6-doz lots. 5% on 3-doz. lots.

Showing a profit of over **50**%

Carr. Paid. Cases Free.

WRITE US-

THE SPA TOILET COMPANY. Leamington Spa.



D. & W. GIBBS, LTD. (DEPT. S18), CITY SOAP WORKS, LONDON, E.

# Sell Forhan's to meet demand for sounder teeth

A good dentifrice is a necessity, and therefore sells readily; but there is an added reason why people select Forhan's For the Gums.

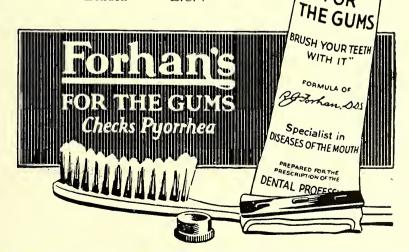
Not only is Forhan's a pleasant, cooling dentifrice which keeps teeth clean and white; even more important is its proved ability to prevent Pyorrhea by keeping the gums firm and healthy—to assist dental treatment of receding, tender gums.

This is why more people are buying Forhan's For the Gums. They know that good health depends on sound teeth. The dangers of Pyorrhea are fully recognised.

Here is your opportunity. Send for a supply and for Forhan's window cards. They turn public interest to

your profit. They are supplied free and are forceful reminders of the preventive and healing properties of Forhan's For the Gums.

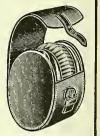
> Thos. Christy & Co., 4-12 Old Swan Lane, London - E.C. 4



At CUTTING PRICES to meet the times.

### ELL BRUSHES

LONDON: 6 East India Avenue, E.C.3.



Made at our own Factories.

AXMINSTER. DEVON.

CLOTHES BRUSHES. SHAVING BRUSHES.

Everything in the way of Brushes.



8-10 GT. TITCHFIELD STREET, LONDON, W. 1. TITTERTON & HOWARD LTD.,

୫ଟେନ୍ୟ କ୍ରୟନ୍ୟ କ୍ରୟନ୍ୟ କ୍ରୟନ୍ୟ କ୍ରୟକ୍ରୟ କ୍ରୟକ୍ରୟ କ୍ରୟକ୍ରୟ କ୍ରୟକ୍ରୟକ୍ରୟ କ୍ରୟକ୍ରୟକ୍ର କ୍ରୟକ୍ରୟକ୍ରୟକ୍ରୟକ୍ରୟକ୍ରୟକ୍ର

# It's NOW or never. English TEATS For Boat-shaped Hygienic Bottles. BEST Quality English Plain - 12/- gross Ribbed 14/- ,, and and Ambroid Fine Tooth Combs. Manufacturers of the Tuskoid and Ambroid Fine Tooth Combs.

<del>Დ</del>ᲓᲓᲓᲓᲓᲓ<mark>ᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓᲓ</mark>₱₽₽₽

PYORRHEA.—One of the most prolific sources of the ills to which flesh is heir to, its ravages have become a matter of first-class medical importance.

#### SANOGYI."

#### PREVENTS AND CURES PYORRHEA

A dentifrice prepared on the scientific basis reported to the Medical Conference at Rouen in August 1921, by Dr. B. Kritchevsky, Joint Professor of the French School of Stomatologie, Paris, and Dr. B. Seguin of the Pasteur Institut of Paris.

It is strongly recommended for rapidly combating Pyorrhea alveolaris, Mercurial Stomatitis, Gingivitis, Scurvy, and successfully preventing and curing

Most convincing results have been obtained by the Dental Profession of Great Britain, France and

"Dr. Kritchevsky is to be congratulated upon his services, not only to the Dental Profession, but to the public at large, and there can be no doubt that his preparations may be conscientiously recommended." The Dental Surgeon, Feb. 18, 192'.

Sole Representatives for the British Empire:

#### SEALAND TRADING, Ltd.

Buchanan Buildings, 24 Holborn, LONDON, E.C.1

Sold by all Chemists and Druggists 2/6 per tube.



3/3 PER DOZEN.

#### **MIRROR** NAIL STONES

IN THE ORIGINAL

HINGED ALUMINIUM BOXES

IN SHOW BOXES OF 1 DOZEN. Stocked by ALL LEADING WHOLESALERS.

MADE ONLY BY

SOLPORT BROTHERS, Ltd. 184-190 Goswell Road,

LONDON - E.C. 1

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# WHOLESALE ONLY. SPONGES WE CAN DEFY COMPETITION AS WE ARE ACTUAL IMPORTERS WRITE FOR PRICES OF HONEYCOMB & BROWN TURKEY SPONGES IN ORIGINAL CASES ONLY. Also ELEPHANTS' EARS in Bales, AS PACKED BY OURSELVES AT OUR VARIOUS BUYING BRANCHES. Soc. Anon. CHIAPAS, 32 Queen Victoria St., London, E.C.4 NO CONNECTION WITH ANY OTHER FIRMS.

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PROFITS from Sorbo Sponges are quick profits, sure profits, and safe profits. The public are steadily buying Sorbo Sponges in ever increasing quantities.

There is an almost unlimited business to be done in them. Every single person who enters your shop is a prospective customer for the Sorbo Sponge. If they use a sponge they need a Sorbo Sponge, and there's  $33\frac{1}{3}\%$ for you on every one you sell.



# Are You Stocking it?

The Tooth Brush in the YELLOW BOX

The brush which an ever-growing public is coming to know as the only tooth-brush that really cleans the teeth—the Pro-phy-lac-tic Tooth Brush. Monthly, weekly, daily, we are advertising—to over 4,000,000 readers—the unique advantages of the brush in the YELLOW BOX.

# Pro-phy-lac-tic Tooth Brush

GENUINE only in the YELLOW BOX (Manufactured by Florence Manufacturing Company, Mass., U.S.A.)

In adult's, youth's and child's sizes—in hard, medium, or soft bristles—one quality only—always in the sanitary YELLOW BOX.

To the Public - - - - 2/6
To the Retailer—a Full Trade Profit

Sold through the wholesale houses only

Wm. E. PECK & Co., Inc., 31, Bartholomew Close, LONDON, E.C. 1



# D'Orsay, Paris.

There has been some difficulty in obtaining the Perfumes of this famous Paris House owing to the enormous demand all over the world.

Arrangements have now been made to cope with the difficulty, and stocks of all the leading lines are available in London.

Well advertised in the fashionable Press, "Sketch," "Tatler," "Bystander," "Queen," etc. Order now for the increasing demand.

LATEST CRAZE IN PARIS.

"Les Fleurs d'Orsay"
"Le Parfum d'Orsay"

GOOD TRADE PROFIT. BONUS ON MANY LINES.

D'Orsay prepare the Essences, make their own Bottles and Boxes. This allows them to offer the finest products obtainable at relatively reasonable prices.

WHOLESALE FROM

S. Namias' Sons, 45 Beech St., London, E.C.1.

Phone: CITY 2944.

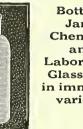
Wires: "CAMASUSTA, BARB, LONDON."

Better times are here, a start has been made, and it is up to every manufacturing firm to turn out all that is seasonable. In GLASSWARE we can offer nearly everything you are likely to need. Let us have your enquiries.

**PRICES** RIGHT QUICK DELIVERY. AND



LIME



Bottles, Jars. Chemical and Laboratory Glassware in immense variety.





Narrow-mouth SHOP ROUND

MEDICAL

Wholesale ONLY Charlton Works

Charlton Place

No RETAIL Firms supplied. - Islington - LONDON, N.1.

(Opposite Agricultural Hall) Telephones: North 2770-2 (3 lines).
Telegrams: "Assorted, Phone, London."

Codes: ABC, 5th Edition. Scott's 10th Edition (1906). Bentley's Complete Phrase Code.

WHEN ENQUIRING, PLEASE MENTION THIS PAPER.



In addition to the Horticulturist and Amateur Gardener, for garden and greenhouse purposes, Hostesses, Hotel Proprietors, etc., find them so wonderful for prolonging the life of cut flowers.

The following analysis will prove to chemists the pre-eminence of "Fertabs" over other fertilizers in pill form:—Nitrogen 13%; Soluble Phosphates 34%; Potash 11%—58% of active soluble fertilizer. We have no connection with any other Fertiliser in pill form. Order a stock to-day from your wholesaler. Only one size stocked. Supplied by:—

MAY, ROBERTS & Co., Ltd.

Supplied by:

MAY, ROBERTS & Co., Ltd.

7 Clerkenwell Road, London, E.C. 1.

W. SUTTON & Co., Ltd. UNITED CHEMISTS' ASSOCIATION Ltd.

76 Chiswell Street,
London, E.C. 1.

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60 ,,	-	_	66/-

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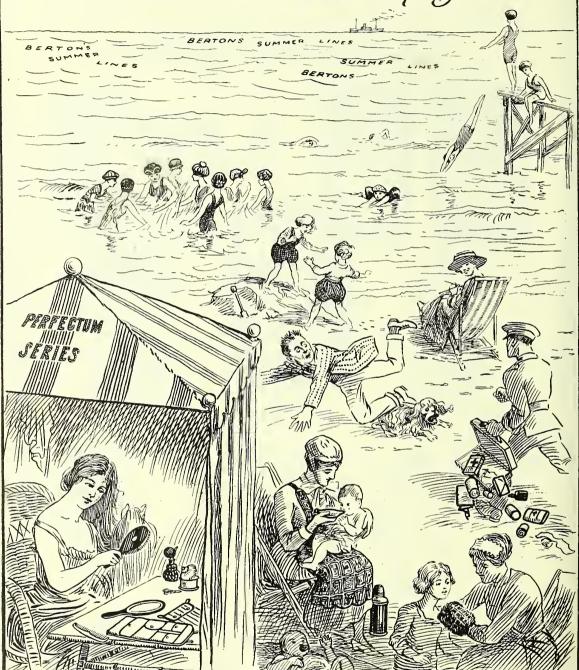
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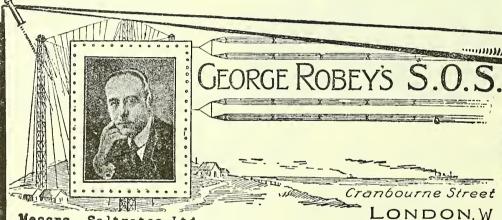
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I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to ack-nowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

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#### "C. & D." Retail Price List

ACTING upon the suggestion we have received from several of our subscribers, we shall in future issue the additions and alterations in the C. & D. Retail Price List each month, on a separate Supplement. This arrangement will obviate the necessity of copying out the alterations or mutilating The Chemist and Druggist, in which the alterations have hitherto been printed. It also converts the list into the most complete and up-to-date retail price list of drugs and chemicals that is before the drug-trade. The colour scheme, the convenience of which has been so much appreciated, will be maintained in these Supplements. We can still supply filing covers for the list at 1s. each post free, cash with order.

NATIONAL HEALTH INSURANCE.—The office of the headquarter staff of the Insurance Department of the Ministry of Health has been transferred from Wellington House, Buckingham Gate, to the Ministry of Health, Whitehall, London, S.W. 1.

Lecturing recently in London, Professor Flinders Petrie showed and explained some newly discovered papyri from Egypt, one of which, dating from the third or fourth century, was a Greek business letter inquiring about cinnamon and salt.

#### English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

#### Customs Statistics for Ireland

The Commissioners of Customs and Excise announce that arrangements have been made to obtain, as from May 1, statistics as to dutiable goods passing from Great Britain (including the Isle of Man), on the one hand, to Ireland on the other, and vice versa. The object is to ascertain the share of Customs and Excise revenue attributable to Great Britain, Northern Ireland, and the Irish Free State respectively, in accordance with the Government of Ireland Act, 1920, and the Irish Free State (Agreement) Act and the Order in Council made thereunder. Shippers of goods from Great Britain to Ireland or from Ireland to Great Britain are required to furnish the necessary statistical information on Customs specification forms, to be delivered by themselves or their agents at the Custom House at the port where the goods are shipped. Intending consignors are advised to apply for detailed information to the railway or shipping companies who undertake the conveyance of their goods, or to any officer of Customs and Excise. Statistical declarations will also be required from senders of post parcels from Great Britain to Ireland and vice versa. Certain modifi-cations of this requirement have, however, been approved, in order to relieve traders, and information as to these may be obtained from any collector or surveyor of Customs and Excise.

#### The Dental Board

Applications have been received from the following persons on the grounds that they are pharmaceutical chemists or chemists and druggists, and that immediately before July 28, 1921, they had a substantial practice in dentistry in the course of which they personally performed such operations and gave such treatment, advice, and attendance as are usually performed and given by dentists. Any objection to registration must be lodged within one calendar month from May 1, and must be supported by evidence sufficient to show a prima facie case against registration:

 Boyle, Francis, 210 Falls Road, Belfast.
 Cadge, Charles Christopher Hulme, Market Street, Bingham.

3. Carse, James Davis, 233 Woodstock Road, Belfast.
4. Cullen, Frederick Spencer, 74 Magdalen Road, Norwich.
5. Flynn, William, 108 Rochdale Road, Blackley Road,

Manchester. 6. Grantham, Reginald, Rosedale, Severns Avenue, Acomb.

Yorks.

Hughes, Joshua Arthur, The Square, Abercarn, Mon.
 Moffett, Joseph, 225 Donegal Road, Belfast.
 Patterson, David, The Holm, Hale Road, Farnham.

10. Rutter, Arthur Davenport, 39 Seaforth Road, Seaforth,

11. Smith, Frederick Thomas, Medical Hall, Antrim.

Smith, John Harold, High Street, Clay Cross.
 Sumner, Henry Alfred, 132 Newport Street, Bolton.
 Watson, George, 108 George Street, Aberdeen.
 Williams, William Robert, 169 Brockley Road, S.E. 4.

#### Safeguarding of Industries

The Board of Trade give notice that they have received complaints from the Association of Glass Bottle Manufacturers of Great Britain and Ireland (1) that glass bottles manufactured in Holland are being sold or offered for sale in the United Kingdom at prices below the cost of production, as defined by the Safeguarding of Industries Act, 1921, and that by reason thereof employment in the industry manufacturing similar goods in the United Kingdom is being, or is likely to be, seriously affected; and (2) that glass bottles manufactured in Germany are being sold or offered for sale in the United Kingdom at prices which, by reason of depreciation in the value in relation to sterling of German currency, are below the prices at which similar goods can be profitably manufactured in the United Kingdom, and that by reason thereof employment in the industry manufacturing similar goods in the United Kingdom is being, or is likely to be,

seriously affected. The Board of Trade, in exercise of the powers conferred upon them by Part II. of the Safeguarding of Industries Act, 1921, have referred the matter to a committee, consisting of Mr. C. A. Russell, K.C. (chairman), Sir Cecil L. Budd, Mr. Owen Parker, Mr. E. W. Rainer, and Mr. James Rowan. The committee are directed, after ascertaining the facts, to report to the President of the Board of Trade—

(a) Whether the conditions specified in Section 2, Subsection (1) of the Safeguarding of Industries Act, 1921, are fulfilled; (b) on the effect which the imposition of a duty under Part II. of the Act on goods of the class or description covered by the complaint would exert on employment in any other industry being an industry using goods of that class or description as material; and (c) whether, in the opinion of the committee, production in the industry manufacturing similar goods in the United Kingdom is being carried on with reasonable efficiency and economy.

The committee propose to hold their first meeting for the taking of evidence at 2.30 p.m. on Monday, May 15, at 5 Old Palace Yard, Westminster. The secretary to the committee is Mr. G. S. Bailey, Board of Trade, Great George Street, S.W. 1, to whom all communications

should be addressed.

The Board of Trade have also received a complaint by the British Optical Instrument Manufacturers' Association, Ltd., the British Photographic Manufacturers' Association, the Spectacle Manufacturers' Association, and the Drawing Instrument Manufacturers' Association that optical and other scientific instruments manufactured in Germany are being sold in the United Kingdom at prices which, by reason of depreciation of German currency, are below the prices at which similar goods can be profitably manufactured in the United Kingdom, and have referred the matter for inquiry to a committee consisting of Sir R. Henry Rew (chairman), Mr. A. K. Davies, Mr. Rayner Goddard, Mr. A. E. Holmes, and Mr. J. F. Mason. The secretary to the committee is Mr. T. Turner, Board of Trade, Great George Street, S.W. 1.

#### British Chemical Trade Association

This Association has entered upon its fifth year of existence, and is now firmly established as the recognised and representative organisation of merchanting interests in the chemical, dyestuffs, and allied trades. The Association is, however, making still further efforts to strengthen its membership, and has issued an appeal to firms which are not yet members. During April (before the appeal was issued) ten new members were obtained. In the literature which has been distributed some facts concerning the working of the Safeguarding of Industries Act, 1921, are given, the following being an instance of the working of the Act:

instance of the working of the Act:

A firm desired to import 1 cwt. of physiologically pure salicylic acid. It is not made in the United Kingdom, but importation is prohibited, except under licence, by the Dyestuffs (Import Regulation) Act, 1920, and it is also liable to 33½ per cent, duty on importation under the Safeguarding of Industries Act, 1921. It took the firm over two months to obtain the necessary licence from the Dyestuffs Licensing Committee (who control the importation of this product, which is used for making ointments). It was scized by Customs, who levied the 33½ per cent. tax and a further 26 per cent. under the Reparation Act. After about three months, during which time innumerable letters were written to the various Government Departments concerned, the firm obtained this small quantity of material worth about £8. This is typical of scores of similar and even more ridiculous instances, some of which have been given in the C. & D.

Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:

At Fulham, London, Anne Roberts, widow of a port-manteau-maker, committed suicide by taking lysol while of unsound mind. Dr. J. H. McBurney, divisional surgeon, asked at the inquest whether lysol was easily bought, replied, "Yes, in any shop."

An inquest was concluded at Southampton, on May 3, on the body of Mr. Percy Stanley Hopkins, a medical practitioner, who was found unconscious in a train, and

died in hospital. Mr. James Brierley, the borough analyst, said that the organs of the deceased contained some fluid with a strong odour of camphor. There was also a small quantity of alkaloid present. The coroner found that death was due to poisoning by aconite and belladonna, self-administered, but whether by misadventure or otherwise there was not sufficient evidence to show.

#### Society of Apothecaries of London

At the examination commencing on April 24 the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:

Ackers, F.
Alexander, J.
Allman, E. D.
Anderson, F. C.
Bacchus, V. B.
Bland, M. L.
Bradley, L. G.
Brookes, M. A. H.
Bygate, D.
Carter, A. A. O.
Caulton, C.
Christie, D. G.
Cope, D. E.
Cottell, B. E. M.
Cotterell, G. A.
Cox, J. I.
Cox, O. B.
Cox, R. E. S.
Cropper, M.
Crossfield, N. E.

Dutton, D.
Ellison, M. L.
Evans, I. M.
Gibbins, G. I.
Heyes, D.
Hewitt, M. C.
Hill, A. D.
Hocken, M. C.
Hooley, E. M.
Ives, K. M.
Johnson, G. O.
Jordan, M. A.
Langridge,
E. K. M.
Larrad, J. H.
Liddle, A. H.
Litchfield, L. M.
Lomax, H. C.
Lucas, E. E. R.
Macartney, K. E.

Mercer, E. S.
McClure, M.
Noott, N. H.
Ogle, E. A.
Parkhouse,
B. W. M.
Peall, R. O.
Pickering, K.
Psaila, M.
Reade, A. I.
Robinson, O. M.
Seaton, E. J.
Shepherd, W. P.
Stothert, L.
Toghill, W. B.
Tytherleigh, E. B.
Ure, E. M.
Wallis, O. E.
Whitfield, C. H.
Wigmore, J. S.

Inquests

An inquest was held in Central London, on May 1, on the body of Mr. Leonard Chalfin, managing director of Robartes, Ltd., toilet-requisite manufacturers, Leather Lane, E.C. 1, who was found dead on the company's premises on April 27. Mr. Percy Crawford, secretary of Robartes, Ltd., said that so far as he knew Mr. Chalfin had no serious worries. The company was in liquidation. Other evidence showed that death was caused by hanging, and a verdict to the effect that Mr. Chalfin committed suicide while of unsound mind was given.

At Deptford, recently, an inquest was held on the body of Mr. Joshua David Pidgeon, Ph.C., 6 Lewisham High Road, S.E., who was found dead in bed on April 22. The evidence showed that Mr. Pidgeon, who was seventy-one years of age, resided at his place of business, and appeared to be in his usual state of health on the evening before his death. The post-mortem examination disclosed fatty degeneration of the heart following chronic nephritis. In recording a verdict of "Death from natural causes," the coroner remarked that he believed the deceased to have been a very clever old man in his way.

The coroner for the Brixton district of London held an inquiry lately concerning the death of Mr. William John Wallace, Rosendale Road, S.E. 24. The widow said that Mr. Wallace enjoyed good health, and had not been complaining except of periodical attacks of flatulence. After breakfast on the day in question he said he did not feel very well, and would lie down for an hour. She saw him comfortably wrapped up, and went downstairs. Upon returning to the room, later on, she found him dead in bed. Mcdical evidence showed that death was due to syncope from a dilated heart, accelerated by distention of the stomach. A verdict was returned correspondingly.

Birmingham

Mr. John Freeman (J. & E. Freeman, Ltd., chemists, Icknield Street) was awarded prizes for his auriculas and alpine auriculas at the Edgbaston Botanical Show on April 28.

Dr. E. J. Russell, of the Rothamstead experimental farm, read a paper entitled "Barley" before a meeting of the local Section of the Society of Chemical Industry on April 27

on April 27.

Dr. W. B. Featherstone, who has been appointed to the judicial bench, is the son of the late Mr. W. B.

Featherstone, F.C.S., for many years with Southall Bros.

bed (

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According to the city analyst, Mr. J. F. Liverseege, F.I.C., Ph.C., the amount of dust which falls in Birmingham, per square mile per annum, is nearly 400 tons, and 650 tons in the central area.

#### Leicester

Among attractive window-shows of late were those of Needhams, Ltd. (Kruschen Salts), and the Euthymol display at the City Pharmacy.

Particulars of the prizes for which chemists may compete during the shopping-week, May 13 to 20, are as follows: For the most original window; in the chemist's class; and for the Eucryl tooth-powder display.

The first meeting of the Leicester Chamber of Trade was held on April 26, when the rules and standing orders were passed. Mr. G. E. Marfitt, chemist and druggist, was elected Vice-President, a selection which is particularly gratifying to local chemists. They will also be represented by their delegate from the branch of the Retail Pharmacists' Union.

The Pharmacy Athletic Club held its annual meeting on April 26, under the chairmanship of Mr. F. J. Brett, who was unanimously re-elected President. Members Members anticipate a year of great activity, and have again secured the old county cricket ground for their headquarters. Mr. Chell was appointed captain of the cricket team, and Mr. Robinson vice-captain. Mr. Langham has retired from the secretaryship owing to pressure of other duties, and Mr. Westhead has been elected in his place.

Liverpool

Mr. W. J. Gill, Dale Street, has returned from the Canaries much benefited in health.

Mr. Henry Peet is visiting South Lincolnshire this eek. He has been elected by the Parish Church Council of Liverpool as a diocesan representative.

May, Roberts & Co., Ltd., have issued to local pharmacists the latest revision of their half-yearly "Tra-'a well-illustrated catalogue of drugs and sundries.

The Liverpool Chemists' Association has nominated the following delegates to the Nottingham meeting of the Ruitish Pharmaceutical Conference: Messrs. W. H. following delegates to the Nottingham meeting of the British Pharmaceutical Conference: Messrs. W. H. Clubb, Ph.C. (President), J. L. Hirst (secretary), A. W. Ashcroft, D. H. Evans, A. J. Ferriday, T. W. Fletcher, A. S. Furniss, M. S. Hughes, H. Humphreys Jones, J. Jones, J. McInroy, J. C. Paley, L. Moreton Parry, John H. Robinson, W. H. Saunders, F.C.S. (hon. Vice-President), G. M. Sleggs, Dr. Symes, J. G. Wallbridge, C. Wherley, W. J. Williams, T. S. Wokes, J. Wood, and Harold Wyatt, Ph.C.

Manchester

Taylor's Drug Co., Ltd., 69 Market Street, have a very attractive window-display of "Mavis" toiletpreparations.

Mr. W. H. Harrison, chemist and druggist, Chorltoncum-Hardy, has disposed of his branch business in Moss Lane East, Moss Side, to Mr. Percy Bagnall, chemist and druggist, Ayres Road, Old Trafford.

Another pharmacy has been opened in the south side of Manchester. The proprietor is Mr. Owen Leonard Maund, F.C.S., chemist and druggist, and the shop stands at the corner of Withington Road and Yarburgh Street, Whalley Range.

A number of thefts have taken place in Manchester pharmacies recently. Four cameras were stolen from the Moss Lane East pharmacy of Mr. W. H. Harrison on April 24, and a box containing razor-blades to the value of about 25s. was taken recently from the pharmacy of Mr. John Cleworth, 56 Ducie Street, Greenheys.

The amount of arsenic and lead found in borax, cream of tartar, Epsom salts, and magnesia, according to the annual report of the Lancashire county analyst (Mr. W. Collingwood Williams), is startling. One sample of borax examined by him contained as much as 7 gr. of arsenic per lb. All the samples of arsenical borax were found to have been sold by grocers.

A fine performance was put up by Mr. J. A. Collins, chemist, Harpurhey, in the tournament for the district challenge cup and area championship, in which fiftythree amateur golfers from Manchester and district took part on April 26. Although Mr. Collins was unfortunate in not being in the first four to qualify for the final stage, he returned a score of 160 for the 36 holes on the course of the Withington Golf Club—a really good performance.

#### Portsmouth

Reports of business are not too encouraging, continued discharges from the Dockyard adding to an already abundant population of unemployed. Pharmacists, however, though not immune from the effect, "feel the draught," perhaps, less than other traders.

Our veteran confrère, Mr. H. W. Blackadar, Church Read, Landport, is retiring from business. His active work on the Borough Council and the Board of Guardians will occupy his leisure, and he is to be congratulated on being re-elected to the latter body at the top of the poll.

Greater Portsmouth has never previously had such a sudden influx of new pharmacies as the present time provides. Mr. Napier starts in New Road and Mr. King in Hayling Avenue, both serving the Copnor district, while Southsea gains Mr. Fry in Albert Road and Mr. Hart in Elm Grove.

It would seem that with commendable, if misdirected, energy our rulers are attempting to make Southsea, faubourg d'agrément, a Blackpool of the South. Up to the present they have decided to support an application to the military authority for permission to have a travelling circus on the common.

#### Sheffield

Mr. A. Knowles, President of the Sheffield Pharmaceutical and Chemical Society, has recovered from his illness, and, following a brief holiday, has returned to business.

At Eckington, on May 1, William Fox, Castle Street, Sheffield, described as a chemist, was fined £5 for having allowed a motor-van to be used without a licence.

Payments for Insurance dispensing for the month amount to £1,489. Several chemists are seriously considering if it is worth while remaining on the panel, and have in formed the Insurance Committee to that effect.

#### Miscellaneous

SHOPPING-WEEK AWARDS.—The judges' awards in connection with the Bolton shopping festival, which has just window-dressing competition: Cup presented by the Moseley Food Co.—Knott Bros., Blackburn Road. Town Circle: (1) W. Blain & Sons, Market Street; (2) Waller & Riley, Ltd., Bradshawgate. Outer Circle: (1) Knott Bros., Blackburn Road; (2) Mr. A. H. Clough, Blackburn Road; Road.

Institute of Chemistry.—The pass list for the April examinations of the Institute of Chemistry is as follows: Fellowship—In the branch of metallurgy, F. Hargreaves, A.R.S.M.; in the branch of the chemistry of foods and drugs and water, A. C. Barnes, B.Sc., and J. E. Byles, B.Sc. Associateship—In the branch of general chemistry, L. J. P. Byrne, B.Sc., G. W. C. Gardener, E. T. Illing, B.Sc., H. T. Jones, B.Sc., J. L. Raynes, B.Sc., F. S. Shadbolt; in the branch of organic chemistry, H. Naylor, R. J. Philip; in the branch of chemical technology of sulphuric acid and its by-products, A. Sanders.

A SUCCESSFUL DEFENCE.—In Shoreditch County Court, on April 28, M. & L. Davies, Ltd., tobacco merchants, Kingsland Road, N., sued Mr. A. A. Baird, of Cuthberts, tobacconists and confectioners, Hartfield Road, Wimbledon, S.W., for the sum of £13 for goods supplied. The defence was that a Mr. P. R. Lewis, described as a pharmaceutical chemist, ran a chemist's business at the same address as the defendant in Wimbledon, and was given credit for the goods by the plaintiffs, who took Lewis for the proprietor. Lewis left suddenly, owing three weeks' rent, and could not at present be found. Judgment was given for the defendant, with costs.

IN THE COURTS.—At Marylebone Police Court, London, on April 29, Edgar Manning, a man of colour, described as a musician, was sentenced to six months' hard labour for being in unauthorised possession, inter alia, of cocaine, fifteen tablets of morphine sulphate, and 14 oz. of raw opium. A price list of hypodermic preparations was mentioned as one of the "exhibits" in the case.—At West London Police Court, on May 1, John E. Woodhouse (38), described as a dispenser, was sentenced to six weeks' hard labour for having attempted to obtain the sum of £1 by false pretences. It was stated that \frac{3}{4} oz. of sugar was offered by the prisoner to a detective, to whom he pretended that it was account. to whom he pretended that it was cocaine.—At the Old Bailey, London, on May 3, during the trial of Ronald True, ex-airman, for murder, Mr. Ernest Beckwith, chemist and druggist, Dyke Road, Brighton, produced a list of the ½-gr. morphine tablets supplied to a Dr. Parham for the use of the accused between February 7 and July 20, 1920. The total number prescribed was about 4,000.

#### Irish News

#### Pharmaceutical Society of Ireland

The following passed the recent Registered Druggist Examination held at Belfast. The names are arranged in alphabetical order: James Cotton, Belfast; John Joseph McCann, Belfast; Harry Millar, Belfast; Robert Tweed, Belfast. Two candidates were rejected.

#### Irish Medical Contracts

The Commissioner of the Northern Government of Ireland now administering the affairs of Downpatrick Union has accepted the tender of Boileau & Boyd, Dublin, for medicines at 35 per cent. off list prices, and of Clarke & Co., Ltd., Belfast, for appliances, at  $40\frac{1}{4}$  per cent. discount.—The Local Government Department of Dail Eireann have written to the Midleton Guardians with reference to their acceptance of a tender for medicines from Whelan & French, Cork, at 20½ per cent. discount, stating that the Department had already accepted a tender from the same firm at 25 per cent. They asked that this be rectified with Whelan & French. The clerk said they could do nothing further in the matter. A similar letter was sent to the Drogheda Guardians, who agreed to get into communication with the contractors on the matter.

#### Brevities

Some nights ago two burglars were arrested on the premises of the Cork Chemical and Drug Co., Ltd., in the act of packing a number of articles into a leather bag. Several articles taken from the shop were found in their possession.

Mr. David Gray, Ph.C., Dunmanway, Cork, was one of the victims in a shooting affray on April 26, when a party of armed men visited the town late at night. He and two other well-known citizens were found dead in the morning. Mr. Gray was a native of co. Cavan.

#### Belfast

On the night of April 27 an outbreak of fire occurred at the medical hall of Mr. Robert Kells, R.D., 90 Albert Bridge Road. Considerable damage was caused to the

Jordan, Wilson & Alexander, Ltd., wholesale druggists, have lodged a claim with the council of the county borough of the city for £15,000 compcusation for the malicious burning of their premises in Tomb Street a few weeks

Mr. Isaac W. Nicholl, Ph.C., High Street, has been appointed to the Select Vestry of the Cathedral Church parochial nominator. Mr. S. J. Hudson, R.D., Beersbridge Road, has been elected to the committee of Bloomfield Presbyterian Church.

At a recent meeting of the council of Belfast Chamber of Commerce the nomination of Mr. Samuel Gibson, J.P., to represent the Chemists' and Druggists' Society of Ireland was approved. The council also confirmed the election of Mr. Richard McCorry as chairman of the Wholesale Drug Section, and Mr. W. McMullan as representative of the section to the council.

In the King's Bench Division of Northern Ireland on April 27, in the case of Rose Ann Finnegan, Fairfield Nursing Home, Newport Road, Cardiff, against Thomas Finnegan, Ph.C., 120 Royal Avenue, Belfast, to recover £109 17s. for money paid by the plaintiff for the board and lodging of defendant's daughter, counsel for the plaintiff asked for judgment for the plaintiff for £75, without costs. His lordship gave judgment accordingly.

#### Scottish News

#### Scottish Chemists' Bowling Association

The Ayrton Saunders trophy will be played for in Stirling on June 7. Rinks from all parts of Scotland are eligible, and entries should be made not later than May 24, either to the honorary President, Mr. J. Robertson Milne, 126 Hilltown, Dundee, or the secretary, Mr. J. T. Simpson, 268 Crown Street, Glasgow. Players who are unable to form rinks should send their names and the position they play to the secretary, who will allocate them to rinks.—The competition for the Travellers' bowling trophy is a single-handed one and will be run mainly on the same principle as the Scottish Bowling Association Championship, so that in the preliminary stages it will be played in districts. The competition is open only to those engaged in retail pharmacy. Entries must be received by Mr. J. T. Simpson before May 24.

#### Brevities

Fife panel chemists have recently received payment for

January prescriptions.

Mr. W. Coulthart, chemist and druggist, has acquired the business of the late Mr. E. T. Noltie, chemist and druggist, 3 Union Street, Dumfries.

Mr. J. G. Low and Mr. C. Stewart, two local pharmacists, were awarded a second prize and an honourable mention respectively at the recent exhibition of the Kirk-

There are ninety-eight entries for this year's competition for the Scottish Chemists' golf trophy (C. d. D., April 22, p. 42). The first pair start at 9.15 a.m. and are followed by others at three-minute intervals until 11.39 a.m. A handicap limit of nine is allowed off gross scores for the cup; other prizes, full handicap.

On the occasion of her departure from Robert Gordon's Technical College, Aberdeen, Miss B. Simpson, M.A., B.Sc., assistant lecturer in chemistry, was presented by the pharmacy students with a silver-mounted grey morocco writing-case. The presentation was made by Mr. Fraser, who spoke in terms of appreciation of Miss Simpson's abilities as a lecturer. Professor W. Maitland (head of chemistry department) and Messrs. E. Gower Bryant, Ph.C., and D. S. Rattray, Ph.C. (pharmacy department) also paid tributes to Miss Simpson.

The prevalence of venereal disease in Scotland formed the subject of an address by Sir Leslie Mackenzie, of the Scottish Board of Health, to a conference held in Dundee on April 26, called by the Scottish Committee of the National Council for Combating Venereal Disease. of the National Council for Combating Venereal Disease. Referring to the clinical returns made to the Scottish Board of Health for 1921, Sir Leslie pointed out that in Edinburgh 3,524 new cases (including all forms of venereal disease) appeared at the clinic, in Glasgow 6,561, in Dundee 1,654, in Aberdeen 787, in Lanarkshire 493—a total of 13,019. The new cases for the whole of Scotland were 13,676. They might at least double that number if they wished to cover private projection as well. number if they wished to cover private practice as well as the official clinics. As compared with the figures for 1920 the figures for 1921 showed no great increase of new cases, but they showed a great increase in the number of attendances. Dr. Maxwell Williamson, medical officer of health, Edinburgh, said that up till now there had been a complete administrative failure to deal effectively with the appalling condition of affairs resulting from the spread of venereal diseases.

#### Legal Reports

Adulteration Charge Fails.—At Filey Police Court, on April 28, the hearing of a summons against Mr. John Otley, chemist and druggist, Murray Street, for having sold olive oil alleged to be adulterated with 9 per cent. of arachis oil was concluded. The case had been adjourned on account of the difference between the analysis made for the prosecuting body, the East Riding County Council, and that made on behalf of the defendant by Mr. John Evans, F.I.C., Ph.C., public analyst for Sheffield. Mr. Evans found the oil to be pure; and the Government aralysis of the third portion, now read by the clerk of the court, stated that no evidence of the presence of arachis oil had been found, and that "the sample is one of genuine olive oil." Mr. Latham, inspector to the Council, said that he had received instructions to ask the Bench to permit him to withdraw the summons. The Bench agreed, and dismissed the summons, ordering Mr. Latham to pay £11 15s.—£10 10s. to the solicitors for the defence, £1 1s. for the Government analysis, and 4s. court costs.

Shops Act.—At Bow Street Police Court, London, on May 1, before Mr. Graham Campbell, J. M. Davis & Sons, Ltd., Coventry Street, W., appeared to an adjourned summons issued at the instance of the London County Council for a breach of the Weekly Half-Holiday Order (General Trades, Northern and Central Area of London) under the Shops Act, 1912, the alleged offence being the sale after 1 p.m. on Thursday, February 9, of a condome (C. & D., April 29, p. 55). The magistrate had deferred judgment in order to ascertain if any legal decision had been given on the question since the last case of the kind was before him. He now stated that there appeared to have been no finding by any of the Courts which conflicted with the opinion he had formed on previous occasions that such an article as was sold by the defendants in this case was, in spite of the view expressed at the last hearing by Sir William Arbuthnot Lane, neither a surgical nor a medical appliance in such a sense as to bring it within the schedule of articles exempted from the operation of the Shops Act. In these circumstances there must be a conviction, and he imposed a fine of 20s.—Mr. Thomas C. Mansell, of 42 Shaftesbury Avenue, was fined 20s. on a summons for a similar offence. In the case of Mr. John Ernest Jewell (trading as Heppell & Co.), 35 Haymarket, charged with selling three condomes during the half-holiday on February 9, the L.C.C. inspector stated that the assistant who made the sale said it was a mistake, and the manager told him it was against his instructions. There had been previous convictions, but Mr. Kirby pointed out that these occurred more than four years ago, and were due to acts of forgetfulness. The defendant was fined £7.

Defective Bottles.—At Manchester, on April 28, before Mr. Pollock, Official Referee, the Veno Drug Co., Ltd., sued John Southerst and the Farnworth Machine Glass Co. to recover £6,805 damages for breaches of warranty or contract. Mr. Wingate, K.C., and Mr. T. Eastham appeared for the plaintiffs; the defendants were represented by Mr. T. Atkinson, K.C., and Mr. McCleary. It was stated for the plaintiffs that Mr. Southerst carried on the business of a glass manufacturer at Collyhurst and Farnworth. For twenty years he had supplied bottles to the plaintiffs, which were used for Veno's Cough Cure and Dr. Cassell's Tablets, both of which were exported in large quantities. In September 1919 plaintiffs received complaints from agents in India and Burna that after being kept some time a white film formed on the glass, destroying its transparent appearance; the contents were also prejudicially affected, and the bottles readily cracked. Afterwards many other complaints were received. Sir William Veno stated in evidence that the amount the plaintiffs were claiming was very small compared to the actual damage. If the bottles had been yery satisfactory export trade; but it had been very badly damaged. They had lost the benefit of many thousands of pounds spent in advertising. Dr. Maurice

Travers, an expert witness, attributed the defective glass to the use of an excessive amount of soda in the mixture of ingredients. He had never known worse bottles. Mr. Atkinson said the defendants would submit to a judgment for  $\pounds6,000$  and costs. For twenty years they had been supplying bottles to the plaintiffs and to other people also by the hundred thousand without any complaint being made prior to the present case. Judgment was entered for  $\pounds6,000$  and costs.

Borax Prosecution.—At Lambeth Police Court, London, on April 27, Mr. Frederick William Callam, chemist and druggist, Peckham Park Road, S.E. 15, was summoned, under the Sale of Food and Drugs Acts, for having sold borax not of the nature, substance, and quality demanded. The report of the public analyst to the Camberwell Borough Council stated that the sample submitted to him contained fifty parts of arsenious oxide per million. Mr. C. H. Kirby, who defended, said that the analyst's figures were not disputed. The Magistrate: What is your defence? Mr. Kirby: That this was a sale of a commercial article, not of a drug, and that the Pharma-copæia standard does not apply. The name in the Phar-macopæia is not "borax" alone, but "purified borax." Amelia Langford, assistant to the Council's officer, said she entered the defendant's shop and asked for  $\frac{1}{2}$  lb. of best borax. She was served by the defendant, who best borax. She was served by the detendant, who charged her 6d. Mr. Kirby (cross-examining): I put it to you that what you asked for was "borax"?—"Best borax." The Magistrate: Do chemists sell anything but the best borax?—No. The Magistrate: Then what was the use of asking for the best if he sold nothing else? Inspector Dewey said he had bought commercial borax at the rate of 6d, per lb. Cross-examined, the inspector said the defendant's price was the average price he had paid when making purchases from other shops. The article supplied by the defendant was not labelled. It was usual to label drugs. There were a great many things in the Dearwage which were not dware. in the Pharmacopæia which were not drugs. Re-examined, the witness said he had purchased refined borax at the price charged by the defendant.—At the resumed hearing on May 3, Dr. H. W. Barnes, medical officer of health for Camberwell, detailed the purposes for which borax was used, and said arsenic was injurious to health. The Magistrate: It is also a great tonic. Cross-examined by Mr. Kirby, Dr. Barnes agreed that for trade purposes it did not matter whether borax contained 50 or 5 parts of arsenic per million. A great deal more borax was used for trade than for medicinal purposes. Mr. Kirby said the defendant was prepared to undertake to put a label upon all borax, other than British Pharmacopœia borax, indicating that it was commercial. He thought that offer ought to meet the wishes of the prosecution. Mr. Crowsdell remarked that what the defendant was prepared to do in future he should have done in the past. At that stage he was not prepared to withdraw from the prosecution. It was a matter for the Council. further hearing was adjourned.

Hair-dye Damages .- Before Mr. Justice Rowlatt in the King's Bench Division on April 28 and May 1, an action was heard in which Mrs. Macrorie claimed damages from Mr. W. B. Smith, a hairdresser, for injuries caused by the use by defendant of a hair-dye upon her hair. Plaintiff stated that she had been to defendant for some time to have her hair tinted or dyed. Up to 1919 the dye used was henna, which produced a reddish tinge. Wishing to have her hair darker, another dye was necessary. This dye, it was alleged, produced severe dermatitis, and plaintiff suffered from the effects for a long time, being under the care of Dr. Haldin Davis, by whom she was treated for psoriasis. In consequence of the use of an ointment prescribed for the last-named complaint she had to destroy a quantity of underwear. In cross-examination plaintiff said that she first had skin trouble in 1912. Dr. Haldin Davis, giving evidence, said the condition of plaintiff's head suggested an application of poison. The cause of the trouble was external, and was not the result of psoriasis. Dr. J. C. Thresh, another witness, said that he analysed the hair-dye, which smelt of sulphuretted hydrogen. For the defence, Mr. G.

Bailet, a French subject, carrying on business as a hairdresser at 443 Oxford Street, and a director of Permanol Ltd., said he used to manufacture Remido, which from 1907 to 1918 was known as Tarlité. The Permanol Co. now manufactured Remido. He had a long experience of the use of the dye, which was put up in two bottles, one containing  $2\frac{1}{2}$  per cent. of cobalt,  $1\frac{1}{2}$  per cent. of bichromate of potash, and 96 per cent. of water, and the other being composed of 5 per cent. of pyrogallic acid and 95 per cent. of water. In all his experience he had never known any ill-effects result from the use of it, although he had used it on heads suffering from skin diseases; indeed, it was prepared for such people. Mr. Walter Boothby Smith, the defendant, said that during the past eleven years he had used dyes on Mrs. Macrorie's hair on different occasions. The dyes he had used on her hair were henna, peroxide of hydrogen, and Remido. On no occasion had he used either Permanol or Inecto. He first noticed signs of skin trouble on Mrs. Macrorie's head in 1913, and sometimes that trouble was so bad that he would not apply the dye. He first used Remido on her head in March 1920, because she said she wanted her hair made a darker auburn. He denied that there was any conversation between the plaintiff and himself as to whether the dye was likely to do her any harm, or that he ever saw her head in the condition in which she said it became. Mr. Justice Rowlatt, in delivering judgment, said that in this and all similar cases the basis of the claim must be negligence. It could not be founded on warranty, as when a woman went to her hairdresser to have her hair dyed she was not likely to know what was in the composition employed, and she put her trust wholly in the hairdresser, and it was for him to show what it was that he had really used, and that what he had used was harmless. There might be cases in which the hairdresser might warrant the preparation to be harmless. It was impossible not to come to the conclusion that the psoriasis was the result of the hair-dye, or at least if an attack were due and would have come in any event, it was induced to arrive earlier than would otherwise have been the case. The evidence of negligence was not strong, and it was only fair to say that he was not convinced that Remido was actually used. He was no chemist, neither did he know much about chemistry, but an analysis of the hair showed traces of cobalt, which was the colouring matter in Remido. On the whole he was satisfied that the illnesses from which this unhappy woman suffered in the autumn were the results of the hair-dye, and he would give judgment for the plaintiff for £60, with costs.

#### Gazette

#### Bankruptcy Acts

RECEIVING ORDER

Chalfin, L., 41 Queensborough Terrace, Bayswater, London.

#### Business Changes

Mr. Fredk. Youldon, glass-bottle manufacturer, has changed his address to Portland House, 73 Basinghall Street, London, E.C. 2. The telephone number is "London Wall 3529."

The Ophthalmic and Chemists' Supply Co., Ltd., has removed to 22-23 Great Tower Street, London, E.C. 3. The business, which has been entirely reorganised, has recently been disposed of to Messrs. J. D. Bishop, H. Barrett, J. English, and S. W. Thorp.

REITMEYER, CALBURN & KINDERSLEY, LTD., announce that they have taken over the whole staff and the offices of Cowan Bros., Ltd., successors to Widenmann, Broicher & Co. Their offices are being transferred to London House, 35 Crutched Friars, E.C. 3; telephone No., Avenue 4677 (three lines).

#### Stock Exchange Prices

## Allen & Hanburys, 7% Prefd. Ord	Stock Exchange i	. 11008		
Allen & Hanburys, 7% Prefd. Ord. Apollinaris and Johannis, Ord. £10.  Apollinaris and Johannis, Ord. £10.  Barclay & Sons. 5% Pref. £10.  Barclay & Sons. 5% Pref.  Boake (A.), Roberts & Co., 5% Pref. £10.  Boake (A.), Roberts & Co., 5% Pref. 20  Benger's Food, Ord.  "7%" B" Prefd. Ord.  "7%" B" Prefd. Ord.  "8" Prefd. Ord.  "9" B" Prefd. Ord.  "17 3 18 6 18 6  18 0 18 0 18 0 18 0 18 0 18 0 18 0 18	£1 Shares unless otherwise stated			
Fref.   Chamists (Lancashire), 6%   Na   Pref.   Chamists (Southern), 6%   Na   Pref.   Na   Na   Na   Na   Na   Na   Na   N	Apollinaris and Johannis, Ord. £10 5% Pref. £10 5% Pref. £10 Sons & Co., Ord Barclay & Sons, 5% Pref Benger's Food, Ord Boake (A.), Roberts & Co., 5% Pref. £10 Boots Pure Drug, 7% "A" Prefd. Ord. 7% "B" Prefd. Ord. 7% "B" Prefd. Ord.	20 3 12 6 25 0 20 6 2 9 30 0 £5\frac{3}{8}	20 3 22 6 40 0 15 3 2 6 30 0 £5\$ 18 6	20 3 40 0 62 6 17 6 2 6 30 0 £53 18 6
"A" Pref.         14       6       16       6       18       0         Boots Cash Chemists (Western), 6%       "A" Pref.         17       0       17       6       18       0         Borax Consold, Defd. Ord.         17       0       17       6       18       0         Borax Consold, Defd. Ord.         18       0       21       9       23       6         Boryli, 6% Pref.         18       0       21       9       23       6         Bortish Cellulose & Chemical, Ord.         14       6       17       3       19       23       6         British Cyanides, Ord.         6       10½       4       7½       7       3       15       3       15       3       15       3       6       16       6       16       3       5       3       5       5       6       16       6       16        3       15       3       16       6       16       3       15       3       16       6       16       3       15       3 <td>Pref</td> <td>15 6</td> <td>16 6</td> <td>18 0</td>	Pref	15 6	16 6	18 0
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Borax Consold., Defd. Ord	"A" Pref	15 3	16 6	18 0
Borax Consold, Defd. Ord	Boots Cash Chemists (Western), 6%		17 6	
National Drug and Chem. Co. of Canada, 6% Pref	Borax Consold., Defd. Ord Bovril, 6% Pref	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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	Wright, Layman & Umney, 6% Pref.	16 0	16 3	16 3

#### New Companies and Company News

P.C. means Private Company and R.O. Registered Office

Hearse's Embrocation, Ltd. (P.C.).—Capital, £1,000. Objects: To take over the business of an embrocation manufacturer carried on by F. G. Hearse at 77 Lower Bristol Road, Bath. R.O.: 12 Miles's Buildings, Bath.

Pumillave Manufacturing Co., Ltd. (P.C.).—Capital, £1,000. Objects: To adopt an agreement with the Pumillave Manufacturing Co.; to adopt an agreement with John de Laspée, and to carry on the business of soap-makers, etc. R.O.: Victoria Works, Briscoe Road, Colliers Wood, London, S.W.

Leonard's Manufacturing Chemists, Ltd. (P.C.).—Capital, £3,000. Objects: To carry on the business of chemists, druggists, dentists, opticians, manufacturers of and dealers in salts, acids, alkalies, drugs, medicines. pharmaceutical, chemical, and surgical materials, perfumes, toilet requisites, etc. R.O.: 6 New Burlington Street,

London, W. 1.

Daish's, Ltd. (P.C.).—Capital, £30,000. Objects: To take over the businesses of grocers, Italian warehousemen, tea dealers, provision merchants, chemists, druggists, wine and spirit merchants, and café and restaurant proprietors carried on by A. W. Daish and H. L. Daish at Preston and Ormskirk as "Daish, Salter & Co.," and at Grange-over-Sands, Milnthorpe and Kendal as "T. & H. Richmond." R.O.: 28 Market Place, Preston.

Sevren Chemical Manufacturing Co., Ltd. (P.C.).—Capital, £1,000. Objects: To adopt an agreement with L. H. Goodman, of 17 Ponsonby Terrace, Millbank, S.W. 1, and to carry on the business of chemical and drug manufacturers, chemists, druggists, druggists' sundriesmen and shopfitters, perfumers, drysalters, oil and colour men, dealers in photographic requisites, etc. The first directors are: R. H. Andrews, E. Andrews, R. P. Smith, and R. Dickinson. R.O.: Pinsbury House, Blomfield Street, London, E.C.

EVANS SONS LESCHER & WEBB, LTD.—The twentieth general meeting of the shareholders was held on April 28 at the Law Association Rooms, Liverpool, Mr. J. Herbert E. Evans (chairman of directors) presiding. The chairman, having explained that he appeared before the shareholders as chairman of the company for the first time, consequent on the death of his uncle, Mr. W. P. Evans (the late chairman), referred to the serious state of the company's affairs, and assured the shareholders that he would spare no effort to resuscitate the fortunes of the concern. After four months' experience as chairman, he believed that that could be achieved. The company was formed in 1902, being an amalgamation of two oldestablished and already closely associated firms—Evans, Sons & Co., Liverpool, and Evans, Lescher & Webb, London, and the course of its business flowed on uneventfully until the outbreak of war in 1914. Almost immediately the demand for the company's goods greatly increased, not only in the home markets and abroad, where the company had already done business, but also from markets previously untouched by them. Hitherto Germany had been the great centre for the supply of synthetic chemicals and many drugs, and with supplies from Germany cut off extraordinary opportunities presented themselves for developing the company's business. Additional agents and representatives were appointed in different centres abroad, existing factories were enlarged, and new ones built and equipped, and stocks of raw material were laid in from every source from which they could be obtained. The world was hungering for goods which only England could supply. Under these circumstances were the directors not right in determining that the company should be in the forefront? To enable the company to finance this increased business, an issue of ordinary shares was made in November 1919, and was largely over-subscribed. The result of the year 1919 justified their expectations, but in the summer of 1920 the trade slump set in with unexpected severity.

The result of the slump was (1) the company held very large stocks of goods which they could not sell, and which began rapidly to depreciate in value; (2) they had shipped very considerable quantities of goods to various markets abroad, and their customers began to show signs of in-ability to take them up; (3) they had built or purchased and equipped new factories and warehouses which they could not fully employ; (4) they had greatly increased their staff at home, and had entered into arrangements with representatives and agents abroad which could not be quickly terminated. The accounts for 1920 showed that the profits on the scale of previous years had disappeared, but when those accounts were made up there was some hope of trade revival, which had not been realised. The accounts for 1921 showed that stocks had fallen from £595,359 to £341,856. There was a trading loss of £384,247. Of this 45 per cent. was directly attributable to losses in Continental trading, other losses (30 per cent.) being due to depreciated value of stocks, and the remaining 25 per cent. being due to the rates of expenses being too high in proportion to the business done and the gross profit earned. Incidentally, the chairman thanked the company's bankers for the consideration they had shown the directors and the assistance they had given in the efforts made by the directors to improve their position. In October last it was clear that a serious loss would be shown on the year's trading—a loss far in excess of any figure which the directors could have thought possible. Steps were at once taken to deal with the situation, and the immediate effect was reflected in the period of trading from September to the end of the year, in which period the general expenses of conducting the business were reduced by 30 per cent. At the same time the gross profit materially improved. As to the outlook for the future he (the chairman) would not prophesy, but the tide had been stemmed, stocks and debts had been brought into the accounts at their lowest value, a reorganisation of the business was taking place which, while enabling them to curtail losses to the minimum during these bad times, was, at the same time, elastic, so that the company could expand along the right lines as trade improved. In spite of the vicissitudes of the past year, the name of Evans stood high in the drug trade throughout the world. (Cheers.) A goodwill built up by four generations of hard work and honest dealing over a period of nearly a century could not be exterminated by one year's bad trading. The times were abnormal, the loss was abnormal, and would not recur, and he was confident profitable days were still in store for them. (Hear, hear.) The chairman added that so long as the existing loss stood on their balance-sheet they could pay no dividends on preference or ordinary shares. That raised the question of reconstruction of the capital of the company. The directors had come to the conclusion that it would be premature and against the best interests of the shareat the present time. (Hear, hear.) Values were still undeterminable, the future possibilities of trade were still unknown, and any figure of the true value of their shares in relation to the assets of the company would possibly prove entirely fallacious at some later date when conditions became more stabilised and when the reorganisation of the business had been completed. Accordingly they proposed that the loss be carried forward in the meantime. The adoption of the report was moved by the chairman, seconded by Mr. E. A. Webb. A long discussion on the financial position of the company ensued, and many questions were addressed to the chairman. Most of the speeches were in the nature of friendly criticism, and several congratulated the chairman on his full and frank statement of affairs, and expressed faith in the future of the concern. The chairman, in reply. said the question of strengthening the board had received the serious consideration of the directors during the past six months. The report was adopted unanimously. Mr. E. A. Webb was re-elected a director, and the chairman thanked the shareholders for the sympathetic attitude they had displayed, which, he said, would be of very great encouragement to the directors.

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#### Pharmaceutical Society of Great Britain

Council-meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on May 3, Mr. E. T. Neathercoat (President) in the chair. The absent members were Messrs. Currie, Hagon, Lloyd, and Young. It was stated that the absence of Mr. Currie and Mr. Young was due to illness.

The President intimated that there were no questions.

#### ELECTIONS AND RESTORATIONS

One hundred and eighteen persons were elected members, and thirty-three were elected student-associates of the Society; a number of persons were restored to the Society, and several to the Register. The registrar reported there had been sixty-nine registrations of apprentices as students since the last meeting.

#### AWARDS OF PRIZES

The secretary reported the results of the Society's examinations, the winners being: (1) F. W. Adams, Pereira medal; (2) F. R. C. Bateson, silver medal; (3) Cyril Wheatley Maplethorpe, bronze medal.

[The examinations held at the termination of the Major

course resulted in the following awards:

Botany.—Silver Medal, Frederick William Adams; Certificates of Honour, Cyril Wheatley Maplethorpe and George Hubbard Sumner.

Chemistry.—Silver Medal, Edward Rowland Sharp; Certificates of Honour, George Hubbard Sumner and Cyril Wheatley Maplethorpe.

Practical Chemistry.—Silver Medal, Cyril Wheatley Maplethorpe; Certificates of Honour, Edward Rowland Sharp and Herbert Nickels Bream.

Materia Medica.—Silver Medal, Edward Rowland Sharp; Certificates of Honour, Kate Knight, Margaret Ethel Peet (equal), and Frederick William Adams.]

#### International Pharmaceutical Federation

The report of the three delegates who attended the third general meeting of the Central Committee of the International Pharmaceutical Federation at Brussels on April 28 and 29 was presented by the secretary, who said it had been signed by Mr. E. White, Professor Greenish, and himself. The following is a summary:

The meeting comprised in all twenty-six members, repre-

The meeting comprised in all twenty-six members, representing Belgium, France, Great Britain, Holland, Sweden, and Luxemburg. Dr. L. Van Itallie presided.

The proceedings were opened by the President, who recalled previous meetings held at The Hague and Ghent, and expressed his conviction that the Federation would revive and carry on the work begun by its founders. "We cannot hope," he said, "to influence directly the legislation concerning the pharmaceutical profession in the different countries. . . The Federation can do a great deal towards . . . the continuation of the work begun by the Brussels Convention on the uniformity of formulas of powerful medicaments, the organisation of international pharmaceutical congresses, uniformity of nomenclature and pharmaceutical education. The international treaty on the use of phosphorus and that on the commerce of narcotics, welcomed by the whole world, are but the first special legislations as regards public hygiene."

The secretary, Monsieur J. Hofman, stated in the course of his report that almost nine years had passed since the Federation held its second general assembly at Ghent. Interest in the Federation had increased, and the Union Farmaceutica National d'Espagne, the American Pharmaceutical Society, and Le Congresso Farmaceutico Argentino have announced their intention of proposing the question of becoming affiliated with the Federation. During the war the Federation received the resignations of the various enemy Powers.

The discussion on the establishment of an international

received the resignations of the various enemy Powers.

The discussion on the establishment of an international pharmacoposial secretariat was opened by the President, who stated that at the International Congress held in 1913 a Commission was appointed to study the question. Monsieur Tschirch and the speaker himself submitted reports.

Dr. Schamelhout pointed out that there were two vital differences between the suggestions of Monsieur Tschirch and Dr. Van Itallie. The former advocated the establish-

ment of a Central Laboratory at Berne (of which he accepted in advance the directorship), which involved useless expense and had the disadvantage that it would be impossible to convince people to accept the decisions of one laboratory only, however infallible. Dr. Van Itallie suggested that a commission should be appointed in order to make analyses of the materials which the secretariat would send them for the purpose. It would be arranged that two laboratories should make the same analysis. If the results were not sufficiently in accordance two other delegates would be chosen, until the results were sufficiently uniform. The results of these experiments would be published in a quarterly bulletin. Several members of the Committee expressed their approval of this latter proposition.

The discussion on the question of uniformity in pharmaceutical nomenclature followed. Monsteur Rousseau put forward the claims of Esperanto. The President emphasised ceutical nomenclature followed. Monsi-sur Rousseau put forward the claims of Esperanto. The President emphasised the difficulties which arose owing to the wide differences between the Latin nomenclatures at present in existence in Europe, there being three distinct ones. A discussion followed. The only possible solution seemed to be to form a commission to study the question of drawing up a list of synonyms, the principal part to be in one of the versions of Latin (or several, as the commission might select), in the hope of persuading doctors to use the same formula, and a small book to be attached chiefly for the use of pharmacists, containing translations into several languages (including Esperanto). A commission consisting of the following members was elected: M. Rousseau (France), Dr. Schamelhout (Brussels), M. Friederieohs (Steckholm), and, in addition, M. Hofman and Dr. Van Itallie.

The question of pharmaceutical education was then brought forward. It was decided that it would be practically impossible to settle details of the international education of pharmacists. The best that could be done would be to draw up certain general observations saying that it would be desirable that pharmacists should learn such-and-such branches of study. A commission was elected consisting of Professor Greenish (London), M. Grimbert (France), M. Van der Wielen (Amsterdam).

Monsieur Pattou (Brussels) invited members to consider the question of taking some international action with regard to regulating the sale of pharmaceutical specialities beat of pharmaceutical specialities beat of pharmaceutical specialities beat of parts.

Monsieur Pattou (Brussels) invited members to consider the question of taking some international action with regard to regulating the sale of pharmaceutical specialities, both from a scientific and professional point of view. The President said that the question was one of great importance; there were societies existing in several countries occupied with this question, and it would be advisable for the Federation to get into touch with them. This was a work which, to be efficient, must be done internationally. Sir William Glyn-Jones stated that in his opinion also the question was one of the greatest importance. As registrar of the Pharmaceutical Society of Great Britain, people came to him continually to ask him to sign certificates to the effect that they had complied with the conditions, for instance, laid down in Spain. "They have to indicate that the speciality has been manufactured under the supervision of a pharmacist, and I, of course, cannot give such a declaration," said Sir William. A commission to study the question was elected, consisting of M. Daminet (Brussels), M. Collard (France), Sir William Glyn-Jones (England), and M, Visser (Holland), a delegate from Switzerland and from Spain to be elected when those two countries form part of the International Federation.

Mr. Edmund White expressed the hone that it might be

national Federation.

Mr. Edmund White expressed the hope that it might be found possible for the Pharmaceutical Society of Great Britain to invite the Federation to meet in 1923 in London.

The report acknowledges with thanks the assistance rendered by the Nationale Pharmaceutique, Miss Kathleen Stanley, of the British Embassy at Brussels, and Major-Pharmacien E. Lajeot, of the Belgian Army.

Mr. White made special reference to the discussion on nomenclature. At present, he said, mistakes were frequently made in international prescriptions, and any simplification would be welcome. The delegates were not able to extend an invitation to London on their own responsibility.

In reply to Mr. Hines, he said he did not know the number of persons attending the Federation meetings, but was now obtaining that and other information. With regard to pharmacists in the Belgian Army, they had a better position than those in the British Army. council knew, any action which the Society might desire to take in the matter had been postponed owing to the claims of economy. But in Belgium pharmacists were trying to make their branch of the service independent of the medical section.

Mr. Hines: Will a full report of the conference be

issued?

Mr. White: Yes, a final report will be issued by the

Fodoration

1922

The President said he had listened with great interest to the secretary's report, and the Council would wish to express their appreciation of the services rendered to British pharmacy by the delegates. They had taken part in some of the discussions, and this had led to their being represented on the commissions. With regard to inviting the conference to London next year, he was quite sure that the Council would give every consideration to what Mr. White had to say when he was able to put fuller particulars before them, and would like to associate themselves with the invitation. If the Federation came over as suggested, it would be all the more interesting on account of the fact that the first annual conference of the Pharmaceutical Society was to be held in London. It would add greatly to the interest of both conferences if they could take place at the same time. He had fully intended going to Brussels himself and had made every arrangement, but owing to pressure of private affairs at the last moment he was unable to make the journey.

The Vice-President, seconding the resolution of thanks, said it would be an excellent thing if the two conferences

could be held in London simultaneously.

Mr. Rowsell, supporting, regretted that the President had not been able to attend the conference, and added an expression of satisfaction that the Society's delegates and this country had been so well to the front.

#### MR. HOLMES'S LONG SERVICE

The President recalled that at the last meeting he reported in committee the result of an interview which he had had with Mr. E. M. Holmes, Sevenoaks, who in consequence of an accident and increasing years felt that he could not continue as curator at the Society's museum in the way the Society would wish, and which Mr. Holmes himself would naturally desire to do. In view of that fact Mr. Holmes had tendered his resignation, or at any rate had expressed his willingness to do so. It was interesting to know that some time in November next Mr. Holmes would have completed fifty years as curator of the museum, and the Society felt that if he could carry on till that date he would achieve an interesting record both for himself and the Society. He therefore proposed that the resignation be accepted as from November, and in view of Mr. Holmes's long service and continual interest in the Society's work, particularly in connection with the Museum, the Council had decided to appoint him Emeritus curator and grant him a pension of £250 a year. Mr. Holmes's name was known all over the world, and no comment was necessary on the position he held in that respect. The resolution on the subject would be sealed with the corporate seal of the Society, thus conferring a further honour.

The Vice-President seconded the resolution, which was

supported by Mr. White and was approved.

#### Correspondence

A letter was read from the British Pharmaceutical Conference intimating that the meetings will be held in Nottingham from July 24 to July 27 under the presidency of Professor Greenish, and asking the Council to send lelegates.

The President said a paper would be passed round the Jouncil so that those members willing to attend might sign it. Eventually the following members were appointed: The President, Messrs. White, Skinner, Keith, Melhuish, Hines, F. P. Sargeant, Parry, Anteliffe, Keall, Wolff, and Rowsell, together with the secretary.

The Conjoint Board of Scientific Societies wrote with egard to the proposed reconstitution of the organisation and asking whether the Council was willing to continue ts support. After a brief discussion, in which Mr. Rowsell emphasised the importance of the Society being epresented on the Board, it was decided to renew the ubscription of £10 10s.

The North British Branch wrote enclosing their annual port, and the Council approved of the President's sugestion that parts of it be included in the Society's report.

W.A.B.F. Administration

Λ letter was read from the East Anglian Federation calling attention to a resolution which had been passed at the annual meeting of that organisation expressing dissatisfaction with the administration of the War Auxiliary Benevolent Fund, and suggesting that funds should be placed at the immediate disposal of the local associations for the benefit of necessitous ex-Service men and their dependants.

Mr. Parry asked if any reasons were given by the Federation for their change of views since their lest meeting, when a similar resolution had been turned down.

The President answered that no such reasons were given.

Mr. Parry: Are there no details or anything to support their charges? In that case I think it would be better for us to ask for information in support of the charge of undue parsimony. As for the suggestion that money should be given to local associations to dispose of it, such a thing is illegal under the War Charities Act. Mr. Parry added that he did not wish to discuss the resolution now, and suggested it should be referred to the War Auxiliary Benevolent Fund Committee for consideration at the next meeting by the new Committee. They might then have some information from Mr. Hines, who was present at the meeting of the Federation as to what took place.

Mr. Rowsell said he knew of no instance of undue

parsimony on the part of the Committee.

Mr. Hines said he regarded it as very out of place for Mr. Parry to mention his name in connection with the matter. He had made no comment himself, thinking that he would have an opportunity of offering any criticisms when the report was considered.

Mr. Parry: Mr. Hines's name was mentioned in the

published report.

The President said Mr. Parry was entitled to ask that the East Anglian Federation should supply some evidence of undue parsimony in order that his Committee could investigate.

Mr. Campkin said the chairman of the Fund Committee seemed to take the matter quite to heart, but he was sure that not only in East Anglia, but throughout the country, members of the Society were much indebted to Mr. Parry for the interest he took in the Fund.

The matter was referred to the Committee, and the secretary was instructed to write to the East Anglian

Federation for further particulars.

#### Education Committee

This Committee reported having considered applications for recognition under Part I. of the Qualifying examination regulations, and recommended that the following be recognised: Gillingham Technical Institute (for chemistry and physics), Torquay Secondary School (chemistry, botany, and physics), and St. Hilda's Priory, Whitby (chemistry, botany, and physics).

The report was adopted.

#### FINANCE COMMITTEE

The financial statement is summarised as follows: Receipts since the last meeting, including a balance of £72 0s. 5d., amounted to £4,163 11s., comprising the fcllowing items: Subscriptions, £1,284 3s.; examination-fees, £54 15s.; registration-fees. £147; restoration-fees, £1 1s.; certificates of qualification, £1; penalties, £51 14s. 7d.; "Pharmaceutical Journal" publishing department, £800; "Pharmaceutical Journal" subscriptions, £11 0s. 6d.; pharmaceutical press publications, £5 7s. 9d.; pharmaceutical pocket-book, £6 5s. 11d.; interest on investments, £166 11s. 7d.; Register of Chemists and Druggists, £55 10s.: B.P. Codex Supplement, £7 3s. 3d.; transfer from deposit account, £1,500. Payments ordered at the last meeting amounted to £4,346 4s. 1d., so that there was an adverse balance of £182 13s. 1d. The other balances were: Benevolent Fund (current account), £82 11s. 1d.; Benevolent Fund (donation account), £31 10s. 3d.; War Auxiliary Benevolent Fund, £21 17s. 1d.; Orphan Fund, £52 12s. 8d.

The report recommended that accounts amounting to £4,313 7s. be paid, and that the action of the secretary in making payments amounting to £659 8s. be approved. The report was adopted.

#### BENEVOLENT FUND COMMITTEE

The report of this Committee showed that eight applications had been considered, and that grants ranging from £10 to £50 had been made. Special contributions and donations were announced as follows: H. Jones, Mile End (box), 5s.; Great Yarmouth Pharmaceutical Association (box), £1 12s.; Oxford and District Chemists' Association (box), £2 5s.; R. J. & A. Atkinson, Southend-on-Sea (weighing-machine), 14s.; Bradford Pharmaceutical Association, £2; British Pharmaceutical Conference (balance of Scarborough meeting, per Mr. E. R. Cross), £46 9s. 2d.; Organised Minority of Rexall Agents (per Mr. J. Clarke), £8 3s. 4d.; Liverpool Chemists Association (smoking concert), £100. (Fund: Bradford Pharmaceutical Association, £1.

Mr. Parry, in proposing the adoption of the report, made special reference to the contribution from the British Pharmaceutical Conference.

The Vice-President, seconding, paid a warm tribute to the Liverpool Chemists' Association for their contribution of £100.

The report was adopted.

#### WAR AUXILIARY BENEVOLENT FUND

This Committee had considered four applications, and made grants varying from £10 to £44 2s.

Mr. Wolff asked whether two ex-Service men who had

been granted £10 each were married.

Mr. Parry replied that they were both single men. He had noticed a letter in the Press from Glasgow, where the bulk of these cases came from, complaining that the Committee were only giving £10 to assist a man who was out of work. He maintained that it was not the business for the Committee to endow unemployment, but to assist men out of work. People who wrote letters to the Press had often not the faintest idea who had been assisted in their own neighbourhood, because of the care with which publicity was avoided in the interests of the applicants. But this very aspect of the matter meant that the Committee were a target for anybody who wanted to have

The President remarked that two of the men assisted were able to come to London and secure employment.

(Hear, hear.)

Mr. Parry said that was so, but he did not claim any credit. All he was concerned about was that the obvious facts should not be overlooked.

The report was approved.

#### THE RETIRING COUNCILLORS

The President made appropriate reference to the retirement from the Council of Messrs. Gifford and Hagon, both of whom, he said, had done good service to the Society and pharmacy. He particularly emphasised Mr. Gifford's work to improve the organisation of the Society, and said it was due to him in no small degree that the Society was now so well organised.

Cordial tributes were also paid to Messrs. Gifford and Hagon by the Vice-President and Messrs. Rowsell, Parry,

and Antcliffe.

Acknowledging the compliment, Mr. Gifford recalled that he had been a member of the Council for twenty-one years, and made special reference to a letter which he had received from Mr. Young. This, he said, had given him particular satisfaction. He looked back with pride on the Presidents of the Council he had known, adding that Mr. White was certainly one of the best he had ever known. (Hear, hear.)

This was all the public business.

#### Annual Report

The following are the portions of the annual report of the Council which are of general interest to chemists:

Finance.— For the year last reported on the income was \$50,000 and the expenditure £41,000, and the report indi-

cated that the phenomenal increase was largely due to the increased number of candidates sitting for the examination. Many of the candidates were those who but for the war would have taken their examination during that period, or who but for the assistance given to ex-Service students would not have taken the examination for some time to come. In the year under review (1921) the same conditions operated, with the result that the Society's income has been

247,000 and its expenditure £39,000.

The amount added to the accumulated funds of the Society in the year 1920 was £9,020; in the year under review the amount is £8,662. The report for 1920 indicated that serious expenditure would be involved on overdue repairs and renovations, and the satisfactory addition to the accumulated funds this year would have been still higher but for the fact that the abnormal amount of £2,727 was expended during the year on renovations and decorations. Further abnormal expenditure in this direction has to be anticipated.

Further abnormal expenditure in this direction has to be anticipated.

The income from the subscriptions of members was £14,874, as compared with £10,033 in the previous year, accounted for by the increase in the subscription payable from one guinea to one and a half guineas. It is a matter for congratulation that despite this increase in the subscription there was an increase of 151 members.

The report for 1920 indicated that that year was an abnormal one, in which the Society was making up the leeway of the war years, and anticipating the income which normally would have been spread over a few of the coming years. The same thing can be said of the year 1921.

The Register.—The number of names added to the Register of Chemists and Druggists was 1,264, and the number removed was 339, leaving a net increase of 925, and at the end of the year the total number of persons entitled to carry on the business of a chemist and druggist in Great Britain was 18,536. Of this number 1,361 were pharmaceutical chemists. The strength of the Society at the end of the year was: Members, 10,954, showing an increase of 151 on the previous twelve months. The number of student associates was 2,114, which is a decrease of 1,419 on the previous year. One thousand and eighty-seven persons were registered as "appientices" or "students," compared with 2,033 in 1920. The Register of Superintendents of Corporate Bodies and of Firms and Partnerships (in Scotland) contains 812 names.

Lead.—The number of cases of suggested infringements

compared with 2,033 in 1920. The Register of Superintendents of Corporate Bodies and of Firms and Partnerships (in Scotland) contains 812 names.

Legal.—The number of cases of suggested infringements of the Pharmacy Acts investigated during the year was 767, an increase of nearly 100 on the previous year. In 143 of these cases the Council authorised proceedings for the recovery of penalties, and in no case was judgment given against the Society. In two cases it was found upon analysis that the poison asked for had been omitted from the article purchased, and proceedings could not, therefore, be taken under the Pharmacy Acts. In one case an unregistered person who had sold a preparation labelled "Easton's Syrup" (which contained no strychnine) was proceeded against under the Merchandise Marks Act for applying a false trade description to goods, and was convicted of the offence. One thousand six hundred and seventy-four shops, where the business of a chemist and druggist is carried on, were inspected in order to see that a certificate of qualification was exhibited, and it is satisfactory to report that it was only in a few cases that the law in this respect was broken.

Examinations.—The number of entries for the Qualifying examination during 1921 was 3,657, and there were 71 candidates for the Major examination, both figures showing a considerable increase on the numbers for the preceding year. Of those examined 1,233 passed the Qualifying examination and 39 the Major. Details of the quarterly sessions of the Board are published in "The Pharmaceutical Journal," giving the numbers of passes in the respective parts of the examination.

The Society's School.—With the close of the year 1920

respective parts of the examination.

The Society's School.—With the close of the year 1920 the number of ex-Service men returning to their pharmaceutical studies was considerably decreased, and the pressure on the accommodation of the School correspondingly diminished. In consequence the prospective entry for last session was not sufficiently large to warrant the continuance of the emergency arrangements that had obtained for the previous two years. The abolition of evening work has permitted a needed addition to the hours devoted to practical work, and brought some relief to the School staff. The School has now a maximum capacity of 100 students, and is quite full.

Research.—In the Society's research laboratories work is

resuming its normal character, after an interruption during the war and also the following two years. During the session important investigations have been commenced, and are being continued. The regulations of the University of London now allow of research work for the degree of Ph.D.

being carried out in the Society's research laboratories, and there is every prospect of a considerable development of their utility in this direction, a development that must

reflect credit on the Society's laboratories.

Renevolent Fund.—The position of the Fund has been materially strengthened during the year, and the annual subscriptions have reached the satisfactory total of £2,344—the highest yet recorded. In addition, nearly £400 was realised by the Benevolent Fund Stall at the Chemists' Exhibition, and the Council gratefully acknowledges the generosity of the proprietors of the Exhibition in defraying the expenses incidental to the stall, at the same time tendering cordial thanks to the Ladies' Committee and other friends who so enthusiastically gave time, energy, and material to ensure the success of the undertaking. As a result of the largely increased support given to the Fund the Council has been enabled to elect eighteen more annuitants, expend £1,775 in annuities, and over £1,580 in additional grants, as well as pay off the loan of £1,850 from the Orphan Fund, which involved the payment of a yearly charge of £64 for interest. During the year legacies have been received amounting to £1,183, and the capital account is now nearly £60,000. The Council feels that there is every reason to hope that the awakened interest in the Fund throughout the country will be maintained, and that it may be possible for the Committee in future to deal adequately, and even generously, with every necessitous claimant for aid, without the sense of financial expediency obtruding as the dominating factor.

War Auxiliary Benevolent Fund.—A considerable number of a price free excitations for excitance have been received during the Benevolent Fund .- The position of the Fund has been

War Auxiliary Benevolent Fund.—A considerable number of applications for assistance have been received during the year, and £1,645 has been expended in grants. The experience of the Committee confirms the view that the claims on the Fund are likely to continue for some time to come, and that drafts upon the capital will be necessary to meet

Local Organisation.—The scheme for organising the members of the Society into local branches, the preparation of which was indicated in the last annual report, has taken shape. Meetings organised in the respective areas of the Federations of Local Associations of delegates invited from each Association in the area have been held, and the whole of England and Wales eovered by the meetings at the following places: London, Manchester, Birmingham, Nottingham, Neath, York, Exeter, and Rhyl. The work of organising the branches into the areas indicated is now being proceeded with. The main principle adopted in instituting these branches has been to secure the assistance of existing Local Associations, and to avoid any unnecessary interference with the work and organisation of those Associations. The Council contemplate holding the first Conferications. Local Organisation.—The seheme for organising the ciations. The Council contemplate holding the first Conference of delegates from its branches in the summer of 1923. It is understood that a movement is on foot for presenting an invitation to hold the Society's initial Conference in London.

London,

Dangerous Drugs Act.—The regulations made under the provisions of the Dangerous Drugs Act, 1920, were finally made by the Secretary of State and published on May 20. 1921. With slight amendments they embodied the recommendations of the Committee appointed by the Secretary of State to consider the original draft and the criticisms from the Society, the British Medical Association, and other interested bodies, to which full reference was made in the ast annual report. The experience of the few months luring which they have been in operation confirms the Council in their opinion that the regulations as applied to sharmacists, attach in some cases difficult and onerous confirmations. Council in their opinion that the regulations, as applied to barmacists, attach in some cases difficult and onerous conditions upon the prescribing and dispensing of medicines. The relations between the Home Office and the Council are fit the most friendly character, and with a view to the diministration of the regulations in such a way as to secure he maximum of benefit to the public interests with the least neonvenience to pharmacists, the Council are giving every sistance possible to the Home Office in this connection. The Secretary of State, in accordance with the provisions of Section 7, submits for the Council's observations cases here he finds it necessary to consider the question of removing the authorisation of any pharmacist convicted of a reach of the regulations, and several such cases have been onsidered by the Council.

The By-Law Under the Poisons and Pharmacy Act,

The By-Law Under the Poisons and Pharmacy Act, setion IV. (b).—The operation of this by-law has now ased. The last date for the receipt of applications therender from those who had passed the Assistants' examination the Society of Apotheearies to be registered as pharmasts was December 31, 1920. The total number of persons

registered is forty-nine.

Education.—The Council has referred to its Education

mmittee the duty of reporting upon necessary revisions

in the Syllabus for the Society's examinations. The division of the examination into two parts and the recognition of courses available at Universities and approved technical schools for the subjects of Part I. of the examination have made it necessary to consider the advisability of bringing the scope of the first part of the examination more bringing the scope of the first part of the examination more into line with the ordinary work taken by science students at such institutions. If this plan is adopted it will be necessary to transfer certain branches of the subjects at present included in the Syllabus from Part I. to Part II, of the examination. Opportunity will be taken to consider generally what other changes, if any, are necessary in the regulations dealing with the certificates accepted for registration as "Apprentice or Student," and the methods of examining in both parts of the Qualifying examination. In any changes, the Council will have in mind the necessity for keeping abreast of the advancement in general educations. for keeping abreast of the advancement in general educa-tion, at the same time guarding against making the conditions of registration unnecessarily stringent.

Other paragraphs deal with the "Journal," the evening meetings, the preparatory course prize scheme, the Harrison Memorial, pharmaceutical service in the Army, and the revision of the British Pharmaceutical Codex. A list is given of prominent pharmacists who have died during the year.

#### North British Branch

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on April 26, Mr. Massrs. Arthur, Dick, Fisher, Forbes, Glass, Guthrie, Jack, Kitchin, McEwan, D. G. Mackenzie, T. Mackenzie, McLaren, McMillan, McVitae, Murray, and Milnc.

The chairman congratulated Mr. J. Tait, the assistant

resident secretary, on his success in passing the Qualifying examinations for the medical profession.

#### METHYLATED SPIRIT

It was reported that the memorandum dealing with the resolutions under consideration by the Convention of Royal Burghs regarding methylated-spirit intoxication had been submitted to the Convention, and that, as instructed, the resident secretary had appeared at the meeting of the Convention and explained the memorandum. The memorandum gave reasons why the complicated regulations proposed by the Convention of Royal Burghs for restricting the sale of methylated spirit under police control should not be imposed. These resolutions were as follows:

1. No person to be allowed to purchase methylated spirit without obtaining a permit issued either by the local authority or the police authority on the written application of the applicant. The applicant should contain the name and address of the applicant, the quantity of methylated spirit applied for, and the ebject for which it is intended to be used. It should also include an undertaking not to supply methylated spirit to any person for any other than the specific purpose for which it is asked to be simplied.

any other than the specine purpose for which it is asked to be supplied.

2. In addition to the existing Excise licence, no person should be allowed to sell methylated spirit without obtaining a licence, which should be applied for annually to the local authority, who should have an absolute discretion as to the persons to whom licences should be granted.

3. The local authority should be entitled to define the conditions on which the licences are granted. They could provide that every sale should be entered in a book con-

provide that every sale should be entered in a book containing the name and address of the purchaser and the purpose for which the spirit was to be used. This book should be open to the inspection of the police at all times.

should be open to the inspection of the police at all times.

4. Any offence against the conditions of the permit or licence should be visited with a severe penalty. Offences against the terms of the permit or licence should be tried in the summary courts, including the police courts in burghs, and it should be made competent to withdraw the licence in case of a serious contravention of its terms.

The memorandum further suggested that on the analogy of the evil of sulphuric-ether intoxication in Ireland, the including of methylated spirit in Part II. of the Poisons Schedule would be an effectual and easy way of controlling the distribution, or that, alternatively, the Customs and Excise Authorities should enforce the powers already possessed under Section 126 of the Spirits Act, 1830 (43 and 44 Vict. cap. 24), to require a retailer of methylated spirit to keep an account, in the prescribed form, of his stock of methylated spirit and of the sale thereof. It was further reported that the Convention had apparently resolved to adhere to the proposed regulations, and in addition proposed to have methylated spirit labelled "Poison," but the final procedure had not yet been completed.

Mr. Jack said he had attended the Convention along with Mr. Hill, and they were very well received. In addition to the enforcement of the regulation by the Customs and Excise as to the stocks of methylated spirit received and the sales thereof, he suggested that it should also be labelled with the name and address of the seller and the date of the sale. He would now propose that the Executive should take action directly with the Customs and Excise Authorities without waiting for any further procedure by the Convention of Royal Burghs, and that in addition to methylated spirit they should include finish.

This was seconded by Mr. Forbes.

It was pointed out that the report also included a reference to the objections to an aniline colour in methylated spirit used for pharmaceutical purposes. It was agreed to wait any further procedure, the General Purposes Committee being instructed to watch developments.

It was pointed out that an important question had arisen regarding the common practice of selling methylated spirit in reputed pint and reputed quart bottles. The sale of any liquid by the reputed pint, measuring  $12\frac{1}{2}$  oz., or the reputed quart, measuring 25 oz. or thereabout, was regarded by the authorities as an illegal practice, and that any person who was asked for a pint of methylated spirit and supplied what was commonly called a pint bottleful, measuring approximately  $12\frac{1}{2}$  oz., was hable to a penalty for contravention of the Weights and Measures Acts. In every instance a liquid sold by the pint must be sold by the Imperial pint of 20 oz.

From the discussion it was apparent that the practice was universal throughout Scotland, while no such measure was known in England or Ireland. It was agreed to call the attention of pharmacists to the matter, lest otherwise they might be proceeded against by the police authorities. While a reputed pint bottleful or a reputed quart bottleful of methylated spirit might be lawfully sold, it must always be made perfectly clear that the quantity supplied is not a pint or a quart from the legal point of

Other matters dealt with included the fixing of the date of the election of the Executive for June 21 and drafting the annual report.

Jamaica produce.—Since the beginning of 1922 almost every article of Jamaica produce has shown increased shipments compared with 1921. Among the exports from January 1 to February 25 were ginger, 3,106 ewt., against 600 cwt.; honey, 5,800 cwt., against 161 cwt.; and pimento, 25,755 lb., compared with 1,235 lb.

Canadian National Exhibition.—It is announced by the Department of Overseas Trade that the forty-third annual Canadian National Exhibition will be held at Toronto from August 26 to September 9. United Kingdom firms desiring to secure space should apply immediately to the Secretary, Canadian National Exhibition, Lumsden Building, West Adelaide Street, Toronto. His Majesty's Trade Commissioner, 24 West Adelaide Street, Toronto, will be glad to receive from manufacturers, merchants, and others who cannot take space any literature or small samples, which will be distributed from, or exhibited at, the bureau of information free of charge. Such catalogues, samples, etc., should be sent direct to His Majesty's Trade Commissioner not later than June 30. Leaflets issued by the exhibition authorities and other particulars can be examined by United Kingdom firms interested on application to the Department of Overseas Trade (Canadian Section), 35 Old Queen Street, London, S.W. 1.

#### Personalities

Mr. W. Edmondson, chemist and druggist, Kendal, has been elected chairman of the local board of guardians.
Mr. J. WYNN WILLIAMS, chemist and druggist, Wrexham Street, Mold, has been elected an overseer of

the poor for the district.

A CERTIFICATE OF NATURALISATION has been granted to L. A. Morellet (French), research chemist, 24 Cromwell Read, Wimbledon, Surrey.

Mr. Lewis Smith, chemist and druggist, Commercial Road, Hereford, was returned on April 29 at a municipal by-election by a large majority.

Mr. W. O. Neale, publicity manager to Ayrton, Saunders & Co., Ltd., Liverpool, has left to join his father's business at Lyme Regis, Dorset.

Mr. Thomas Swales, Butts Court, and Albion Street, Leeds, has resigned his position as people's warden at St. Chad's Church, after four years' service.

The Hon. Sir Charles Parsons, F.R.S., has presented the trustees of the British Association for the Advancement of Science with £10,000 in War Loan stock.

By virtue of ancient powers, Deal Town Council has appointed Mr. G. Stewart Dunn, chemist and druggist, High Street, as a warden of St. George's Church.

Mr. C. A. CRITCHLEY, Ph.C., President of the Blackburn Chamber of Trade, conducted a party of members and friends over the new public electricity supply station on April 27.

In a recent issue of "The Maidenhead Advertiser" an interesting account is given of the private wireless receiving installation fitted up by Mr. A. Greenwood Watkins, chemist and druggist, at his residence in the town.

At the recent annual meeting of the United Good Fellowship Lodge of Freemasons, No. 809, Wisbech, W. Bro. Major Hill, chemist and druggist, P.P.G. Stwd., was elected Worshipful Master for the ensuing year, and Bro. W. R. Girling, Ph.C., was appointed S.W.

SIR SYDNEY HENN, K.B.E., who has been adopted as a candidate for Blackburn at the next Parliamentary election, is a partner in the firm of Lankshear, Wickstead & Co., chemical manufacturers, Woodley, Manchester, a concern which will shortly be amalgamated with The Phænix Chemical Co., Ltd., Church.

Mr. H. Jewell, pharmacist, Southampton, has been elected a director of the Southampton Chamber of Commerce. Mr. Jewell is chairman of the Southampton branch of the Pharmaceutical Scciety, ex-chairman of the Retail Pharmacists' Union (branch No. 17), chairman of the Pharmaceutical Committee, and ex-President of the Southampton Pharmaceutical Association.

SIR WILLIAM VENO (Veno Drug Co., Ltd.) announces that he has decided to devote his gift for the prosecution of cancer research to the funds of the Middlesex Hospital research department. Sir William appeals to the wealthy men of the country to begin a concerted movement for the support of unbampered and unlimited cancer research, and asks those who are willing to contribute to a fund to communicate with him at Manchester.

INVITATIONS were accepted by several chemists and other members of the drug-trade for a reception given at the Hôtel Great Central, London, N.W., on April 26, by the Mayor and Mayoress of St. Marylebone (Councillor Ernest Sanger and Councillor Mrs. Sanger). to meet Viscount Ullswater. Among others present were the members of a deputation from Sailly Saillisel, the French hamlet which has been "adopted" by the borough; and the programme of music included selections by the band of the Welsh Guards.

THE Swiss Custom House Authorities now require for all goods entering Switzerland the indication on the Customs declaration forms of the value of the goods to be imported in Swiss currency, this value to be based on the market price in the country of origin and including cost of transportation to the Swiss frontier.

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#### Births

HANRAHAN.—At the Medical Hall, Tallow, on April 24, the wife of A. L. Fanrahan, M.P.S.I., of a son.

HAYES.—At the Medical Hall, Main Street, Portumna, co. Galway, on April 19, the wife of Robert W. Hayes, M.P.S.I., of a son.

#### Marriages

BECK-METCALFE. - At All Saints' Church, Northampton, on April 25, Leslie Cuthbert Beck, chemist and druggist, Sheerness, son of the late Mr. G. Beck, Ashburton, to Dorothy Ellen, elder daughter of Mr. W. M. Metcalfc, Spencer Parade, Northampton.

BILINGTON—ALLOTT.—At St. Peter's Church, Tankersley, on April 18, by the Rev. W. Hirst, assisted by the Rev. A. W. Douglas, M.A., rector, Hubert Billington, chemist and druggist, second son of Mr. H. B. Billington chemist and druggist, Barnsley, to Mary Agues Allott, elder daughter of Mr. H. Allott, J.P., Hoyland Common.

Hogg—Davies.—At St. Mary's Catholic Church, Falmouth, on April 25, by the Rev. Father O'Byrne, Vincent Hopkins Hogg, chemist and druggist, 85 High Street, Bideford, to Nurse H. M. Davies, Delhi, Llanybyther, Carmarthenshire.

#### **Deaths**

ADAMS.—At 1 Queen's Crescent, Glasgow, on April 20, Mr. John Adams, M.B., C.M., chemist and druggist, brother of Mr. G. C. Adams, chemist and druggist, Dennistoun. Dr. Adams qualified in pharmacy in 1880, and graduated in medicine eight years later.

CHALFIN.—At 18 Leather Lane. London, E.C. 1, on April 27, Mr. Leonard Chalfin, managing director of Robartes, Ltd.; toilet-requisite manufacturers, aged forty-six (see p. 40).

CURPHEY.—At 19 Canfield Gardens, London, N.W. 6, on April 25, Mr. W. S. Curphey, late chief inspector of alkali works, aged sixty-six.

GRAY .- Recently. Mr. David Gray, Ph.C., Dunmanway, co. Cork, aged thirty-four. Mr. Gray passed the Licence examination in 1907.

KILNER.—At 26 Lark Lane, Liverpoot, on April 27, Mr. Ularence N. Kilner, aged forty-seven. Mr. Kilner was with Budden & Co., Ltd., chemists, for twenty-five vears, and for a great part of that time was manager of heir Garston branch. He was well known and respected by a large number of pharmaceutical friends in Livergol and the district pool and the district, among whom much sympathy is elt for his widow and son.

Kirk.—At Leeds, on April 20, suddenly, Mr. James Robert Kirk, Ph.C., 257 Hunslet Road. Mr. Kirk, who assed the Major examination in 1894, carried on business Leeds for upwards of twenty years. During that time e did a great deal of useful work for the welfare of thers, being a member of the Hunslet Board of Guardians, ne council of the local branch of the Retail Pharmacists' nion, and the Leeds Pharmaceutical Committee. He was so on the council of the Leeds Chemists' Association for long period, and his passing will be deeply felt by all ho have been in contact with him in various spheres of tivity. It may be remembered that his wife predeceased m a few weeks ago. A representative gathering sembled at the funeral service, which was held at the waswood Cemetery Church on April 24. Among those esent were the following members of the Landard Church on April 25. esent were the following members of the Leeds Chemists' sociation: The President, Vice-Presidents, treasurer, cretary, and Messrs. Beacock, Pollitt. Stringer, llverley. and Eaton.

PARKER.—At Standish, Wigan, recently, Mr. Frederick hm Parker, retired chemist and druggist. Mr. Parker, o qualified in 1887, carried on business in Derby ad, Huyton, where he enjoyed the patronage of the Knowsley estate. He sold his pharmacy not long ago to Mr. James Gregory, and went to the South of Spain for the sake of his health. Mr. Parker was highly esteemed by his confrires.

FATERSON.—On April 19, Mr. George Derwent Paterson, Ph.C., 220 Elmhurst Mansions, Clapham, London, S.W., aged forty-four.

PIDGEON.—At 6 Lewisham High Road, London, S.E. 14, on April 22, Mr. Joshua David Pidgeon, Ph.C., aged seventy-one (see p. 40).

Sadler.—On April 24, after a long illness, Mr. Alfred Edwin Sadler, joint managing director of Sadler & Co., Ltd., manufacturing chemists, Middlesbrough, aged sixty-four. Mr. Sadler, who was the youngest brother of the late Sir Samuel Sadler, was a prominent Freemason, and his death will be widely regretted.

SHUM.—At Madeley, Shropshire, recently, Mr. Arthur George Shum, chemist and druggist, Park Avenue. Mr. Shum, who qualified in 1874, carried on business at Madeley for many years.

Wallace.—At 109 Rosendale Road, London, S.E. 21 on April 20, Mr. William John Wallace, chemist and druggist, aged fifty-seven (see p. 40).

Wallbank.—At Blackburn, on April 30, Mr. James Wallbank, a director of Openshaw, Ltd., wholesale chemists, 28 and 30 Simmons Street, aged fifty four. Mr. Wallbank was for some years with J. & J. Briggs, chemists, Lord Street, and subsequently with Booth & Openshaw. On the retail business of the latter firm being acquired by Taylors' Drug Co., Ltd., in 1920, Mr. Wallbank joined the directorate of the new company. He was a life governor of the Travellers' Benevolent Institution, and was also a founder of the Travellers' Benefit Society at Blackburn.

#### Wills

Mr. William Beaulah, chemist and druggist, 46 Upperthorpe, Sheffield, who died on March 31, left estate of the gross value of £428 4s.

Alderman Sir Charles Henry Burge, J.P., 20 Crescent Road, Kingston-on-Thames, who died on December 21, left estate of the value of £17,531 18s. 5d., with net personalty £12,509 17s. 6d.

MR. JOHN WADDICOR, Homer Villa, Edgeworth, senior partner of John Waddicor & Co., wholesale druggists, Bolton, who died on April 23, left estate valued at £2,025 18s. 1d., with net personalty £776 17s. 7d.

Mr. Sidney John Ashton Down, 8 Upper Grove, South Norwood, S.E., and of Down Brothers, Ltd., Southwark, S.E., surgical-instrument makers, who died on February 28, left property valued at £3,758 10s. 4d.. with nct personalty £3,525 16s. 11d.

MR. ROBERT HENRY LISTER, retired chemist, 171 Cross Flatts Grove, Beeston, who died on March 5, left property of the value of £18,493 16s. 5d. The charitable bequests amount to £6,000, among them being £500 to the Benevolent Fund of the Pharmaceutical Society of Great

Mr. John William Feltwell, chemist and druggist, 91 Hammersmith Road, London, W., who died on March 13, left estate of the gross value of £5,011 14s., of which £4,395 15s, is net personalty. Probate has been granted to his son John Greenwood Feltwell, chemist, 90 Church Road, Barnes, and Alfred Lewis, Westade, King's Lynn.

ELECTRIC-POWER DEVELOPMENT.—The possibilities of Widnes as the centre of the electrical chemical industry of the country were emphasised at an inspection on April 27 of the power station of the United Alkali Co., Ltd. It was stated that Widnes had a reputation as the leader of the chemical industry in the older-known processes, and the town was determined to maintain it.

#### Trade Notes

Parkes' Household ammonia is a speciality of John Parkes & Co., Priory Works, Warwick.

"Bar-ka-tar." is a remedy for hay-fever prepared by Robert Blackie, Shen Works, Tower Bridge Road, London,

Teats.—A special offer of English teats for boat-shaped hygienic feeding-bottles is made by H. J. Lee & Co., Lancaster.

Tablets and Pills.—Bulk buyers are invited to write for quotations to Castle Huskisson, Ltd., Swinton Works, Moon Street, Islington, London, N. 1.

Dr. Wood's health saline is a summer line which is being advertised in this number by Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton.

Mr. S. W. Lubrough, Ph.C., 73-75 Lower Thames Street, London, E.C. 1, offers packed aspirin tablets at competitive prices, also Brough's straw-hat cleaner, which sells at 3d. per packet.

OPTICAL COURSES.—Mr. C. A. Scurr, 64 High Street, Barnet, prepares pupils for the sight-testing diplomas of the Spectaele Makers' Company, the British Optical Association, and the National Association of Opticians.

PHOTOGRAPHIC DEVELOPING.—Wallace Heaton, Change Alley, Sheffield, send us their new price list of photographic developing, printing, and enlarging for the trade. Promptitude in executing orders is the foremost business principle of the business.

SOAP FISHES.—Thos. Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, have introduced a novelty consisting of highly scented soap moulded in the form of a fish. The "fish" are made by the Paris firm of Nissery, cost 3s. 6d. a dozen, and retail at 6d. each.

W. H. Hobes & Co., Ltd., Trinity Place, London, E.C. 3, sole representatives in the United Kingdom for the Citrus Oils Co., Sicily, inform us that their principals have removed from Acircale to Messina, and this change will greatly facilitate the execution of orders, as goods can now be shipped direct.

"REMEMBER IT COSTS YOU MORE" is the title of a little brochure written by Mr. J. L. Hopkins, President of J. L. Hopkins & Co., importing crude-drug merchants, New York. It deals with the question of carelessness, which is the chief sickness from which the commercial world is suffering at the present time.

"D. P." ANTI-FILM DENTIFRICE.—The Spa Toilet Co., Leamington Spa, whose advertisement appears in this issue, announce that the company is prepared to confine the sale of "D. P." anti-film dentifrice to one chemist in a town or one district in the case of large towns. It is anticipated that this method will give the chemist-agent a greater interest in promoting sales of the dentifrice.

ZONE AND POPULATION MAP.—The Dorland Agency, Ltd., 16 Regent Street, London, S.W. 1, have published a map of the British Isles in which, employing the new census figures, a scries of circles radiating from the chief commercial centres indicate the population within cach area. As an example is given the population (1) of London, 7,467,168; (2) within twenty-five miles radius, 9,026,850; (3) fifty miles, 10,424,4.0; (4) seventy-five miles, 11,698,050; (5) 100 miles, 13,225,350. The maps are supplied post free for 1s. 3d.

A FINE LIST.—May, Roberts & Co., Ltd., 7-13 Clerkenwell Road, London, E.C. 1, send us a copy of their revised price-list of druggists' sundries, proprietary medicines, photographic goods, stationery and tobacco, drugs and counter specialities. The list, in stiff covers, measures 11 in. by  $8\frac{1}{2}$  in., and contains 344 pages. It is divided into sections as mentioned above, access to which is rendered easy by a thumb index on the edge of the list. There are plenty of illustrations in the list, those in the counter specialities section being in photographic colour work. It is the best list yet produced by the company.

East Indian clove oil.—Mr. K. B. Mavlankar, 26-27 Hatton Garden, London, E.C., sends us a specimen of Madras clove oil, the first consignment of which reached London only a short time ago. It is a fine pale distillate, and a favourable price can be quoted to large buyers. The analysts' report states that it is a genuine oil of cloves of a very good quality, and answers the test of the B.P. It has the following characters: Sp. gr., 1.0649; refract. index at 25°, 1.5333; phenol contents, 92 per cent.; solubility in 70 per cent. alcohol, 1 in 1 and upwards. Mr. Maylankar has been appointed the sole agent in the United Kingdom for the Sociedad Anonima Monegal, Barcelona, who distil Spanish oils and who specialise in roots, leaves, and herbs required for medicinal and perfumery purposes."

#### Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopæia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, May 9, on which

day the samples will be posted.
Students' reports will be received up to Saturday, May 20. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as hors concours. Correspondents who do not state that they are preparing for a Qualifying examination will be included in the latter list.

#### Information Department

INFORMATION WANTED

N/35. P/25. Anti-moth " "Anti-mou."
"Nital"
"Pumillave" soap
Plaster of Paris ban-dages with the loose powder
Dimethol D/274.

A/284. Dimethol

0/274. Drons Cryd Melya (Welsh) 8/274. "C.D." proprietaries B/64. "Omega" corn planes B/34. Dr. Watson's asthma Dr. Warse eigarettes

#### INFORMATION SUPPLIED

"Astra" hypodermio needles, S/25 Barff's Boro-glyceride, S/25

Barth's Boro-glyceride, 8/25
Beetham's Glycerine and Cucumber, F/25
Bullock's Calamine Cream, E/35
Caustic soda (for export), L/25
Cloth-cleaning balls, W/15
Convergable 4 (for verot)

Cooper sulphate (for export), L/25 Delectol, B/25 "Dome "belts, S/15 Edgar's Cronp Lotion, S/284

"Germophon," B/15
Griffiths' rheumatic cure, C/264
"Ivy Leaf" corn silk, B/264
"Kudo" sanitary powder, H/25
Lait Larola, F/25
"Melrose" hair restorer, B/25
"Resinol" cintment, F/25
Stokes' rotary tablet machine,
B/264
Tartro bismuthate of pot. and
sod., S/25
Waterbury's Cod-liver Oil Comp.,
B/25

#### Observations and Reflections

Of the New Candidates

for the Council, Mr. Thomas Mains is, judging by his address, the one most to my mind. A thoroughly practical pharmacist and business man, well versed in all the ins and outs of the trade, he speaks plainly and directly on the questions which most nearly concern us at the present time; and apart altogether from the fact that his views happen in almost every particular to coincide with my own, there is in his handling of these questions a closeness of touch and a mastery of both fact and principle which inspire confidence in his judgment and general competence. In the matter of education he puts the saddle on the right horse—"the development of pharmacy beyond the Qualifying examination." The scope of that examination ought to be limited by a consideration of what it qualifies us for; it is intended not for members of a learned profession or for men embarking upon a scientific career, but for those engaged in a necessarily mixed business, who, though they breathe a more or less scientific air, derive their strength, like Antæus. from the ground. Such of them as desire to develop the scientific side of their business, or to make it merely a "stepping-stone to higher things," should have facilities afforded them for doing so; but while for the vast majority of those entering the trade there is no hope of a living except as traders, the Qualifying examination, if revised at all, should be made more practical rather than more purely scientific. On the other topics he deals with Mr. Marns is equally sensible, and I sincerely wish him success in his candidature.

#### Mr. E. Saville Peck

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stands, as regards this crucial question of education, at the opposite pole from Mr. Marns. You do well to refer us to his address to the Society's school in 1920. Of that address I said at the time that the education he desires for all pharmacists would in many of them breed distaste for the chemist's shop of com-"The advancement of the calling of pharmacy upon professional lines" by making the training for qualification part of a course for a University degree, which, as I understand him, is what Mr. Peck advocates, however ideally desirable, would ultimately have the effect of closing half our shops or of transferring them to unqualified storekeepess: Perhaps this, too, is desirable from the point of view of the pharmacist who would survive, but it would be a revolution the trade would, if I mistake not, be slow to we'come. Mr. Peek says he is fully alive to our business interests. He looks at them, however, from a Cambridge pharmacy; they might wear a different aspect if viewed from a small country shop or from an obscure London suburb. I suppose he is sure of election, and will go to the Council with the support of sixty associations, but I doubt whether he or they, or the Council itself, whose protagonist in this cause he will probably become, can foresee what effect on the Society itself the triumph of his policy would have. It would certainly reduce its membership enormously, and that, too probably, without enhancing the value of qualification appreciably. I write, of eourse, supposing that in this respect Mr. Peck stands where he did in 1920.

#### Of the Remaining Candidates

there is little to say that they have not said themselves. Mr. Currie and Mr. White have, indeed, been silent hitherto, but they are sufficiently well known. Mr. Currie's presidency is not likely to be forgotten; Mr. White's attitude has sometimes been too much that of the superior person to command our affections, but he has never forfeited our respect, and he has n his past services on the Council a strong claim upon B. There is, however, one most important question ipon which he has been suspected of unsoundness—that of our title. There is little fear that we shall ever conent to surrender this, and Mr. Antcliffe has well said hat no candidate who was known to be in favour of

surrendering it would have a chance of election. Mr. White would do well to reassure us on this point. Mr. Lloyd and Mr. Greenfield are rather vague in the expression of their views, though the latter "touches the spot" in his reference to the Society's membership-fee.

#### Mr. Browne's Paper

on surgical dressings, read at the Society's evening meeting on April 25, emboldens me to call attention to the very poor quality of some gauzes and cotton-wools—especially the latter—of which I have recently had experience. The wool, for it is of that I most complain, was bought in small packets, from 1 oz. upwards, and purported to be of good quality. It came to me through more than one quite reputable channel, and the maker responsible for it I do not know. To say that it was neither absorbent nor wool would be an exaggeration, but it was such wool as I never saw in the old days when we bought it in pound packages for retailing by weight, and its absorbency left much to be desired. It was harsh and rough to the touch, full of little lumps, and occasionally dirty. 1 suggest that chemists who buy such goods ready wrapped for sale would do well to open and examine a package now and then.

Mr. Meyrick

is quite right in objecting to the word "preventative"—a vicious form, which, however, has been long ventative "—a vicious form, which, however, has been long in use. It is, indeed, virtually as old as the correct form, "preventive," the first occurrence of which noted in the Oxford Dictionary is in Milton (1641), whereas "preventative" is used by Earl Orrery in 1677. The rule governing the use of the suffix -ive, says Professor Hodgson, is that it is attached only to the supine stem Hodgson, is that it is attached only to the supine stem of Latin verbs—e.g., preventive (prevenire, prevent-um). "Preventative" is, therefore, impossible, presupposing a preventare (supine preventat-um), which has no existence. Worse errors than this, however are common enough in good writers. What arroys me more than a false formation, the meaning of which is plain enough, is the use of a word in a sense contrary to that which it ought to hear. I read the other day in a local paper it ought to bear. I read the other day in a local paper of a man who had "sustained a fatal injury." As a or a man who had sustain, but sank under the injury. Even this development of meaning (which is said to have first appeared in the United States) came about quite naturally. Sustain in the sense of to undergo or have to submit to appears in English as early as the year 1400, and has gradually been extended in use till it is susceptible of such absurd applications as the one I have mentioned.

#### A Scottish Friend

sends me a cutting from a local newspaper eommenting upon what Pliny says of the medicinal virtues of the daffodil, and on the present-day use of the flower in folk-medicine, and asks whether I have any information on the subject. I am sorry to say I have not. My copy of Pliny is imperfect, and the only reference to the virtue of the "daffodil" I can find in it is to an ancient ointment called Narcissimum, of which this flower was the basis, the receipt for which was then un-known. Whether the nareissus of Pliny was our daffodil is very uncertain, and none of the modern writers to whom I have access refers to him in speaking of it or any of its species. Dioscorides gives the narcissus the name of Bolbos emetikos, and its emetic property is mentioned along with others by Gerard and his contemporaries. Gerard also refers to Galen and Apuleius as wouchers for its value, the former affirming it to have "wonderfix qualities in drying." It was, therefore, much used as an application to wounds. For "hard imposthumes," too, for burns, for strained sinews, stiff or painful joints, and other local ailments, and for "drawing forth thorns or stubs from any part of the body, it was highly esteemed. Of our common yellow daffodil Gerard says, on the authority of his friend, that "learned and diligent searcher of nature, Mr. Nicolas Belson, sometime of King's College in Cambridge, 'that its distilled water well rubbed in before a fire cures palsy. Culpeper has no mention of any of them.

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#### STANDARDISED GALENICALS

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Established 1792.

#### Remission of Taxation

It is notoriously difficult to obtain remission of taxation when Government expenditure is maintained practically on the same scale as previously. It is mainly through

the effect of automatic decreases in expenditure and by suspending sinking funds that the Chancellor of the Exchequer found himself in his Budget Estimate with a surplus of £38,300,000. In the circumstances it must be acknowledged that nothing further could be done to lighten taxation than the small decrease in income-tax and the duty on tea, coffee, and cocoa. The details are given elsewhere in this issue. The anticipated revenue for 1922-23 is £910,775,000 after allowing for these reductions, and the expenditure £910,069,000, leaving a balance of £706,000. The provision made for Supplementary Estimates is £25,000,000, and, as these usually run to four times that amount, the general view is that the Chancellor has underestimated the liabilities. For the first time for many years no change is proposed in the duty on spirits, but the significant remark was made that the yield of spirit duties last year was £7,500,000 under the estimate. In view of the ruin that has been caused in the perfumery trade by the high rates of duty on spirits it is a pity that no efforts were made to lighten the load of taxation. It is possible, however, that the representatives of perfume manufacturers may seek to obtain some relief in the Finance Bill. The Government might possibly consider suggestions for suitably denatured spirits for use in the perfume industry, as it is the fear that some perfumes might be employed as beverages that makes the Customs and Excise Department hesitate to use the powers it possesses to carry out some such scheme. There were no proposals for modifying the high duty on proprietary medicines, and the resolution continuing the increases imposed in 1915 was passed on Budget night without comment by the Committee. In consequence, any readjustment of the medicine duties proposed in the Finance Bill must be of such a nature that the yield of the tax is unaffected. The changes in the postal rates are overdue and should do something to stimulate the revival of trade of which the Chancellor of the Exchequer sees signs. The assessment for income-tax of employees is in future to be made upon the salary or remuneration for the current year, a re-assessment of land and house property is to be arranged, changes in the assessment of land are to be made, and arrears of excess profits duty are in appropriate cases to be spread over five years. It was explained in the debate which followed the Chancellor's speech that the reduction of 1s. in the income-tax means that the general effect throughout the range of the ax will be a reduction of one-sixth. The reductions in he tea, cocoa, coffee, and chicory duties will take effect on May 15, except in the case of imported cocoa preparations, for which the date will be July 1. The reducion of the tea duty of 8d. applies to tea from foreign ountries, but on Empire-grown tea the duty will amount o 63d. The other taxes apply from April 6 last. For he postal changes June 1 is suggested.

#### Specialities in Sweden.

va recent issue (C. & D., March 18, p. 54) details were ven of proposals submitted to the King of Sweden the Swedish Medical Council to alter part of the wregulating the sale of medicines and drugs. One of e principal alterations suggested was to the effect that e manufacture (as well as the importation) of medicinal eparations which cannot be analysed in each pharmat's own laboratory should be forbidden, and only perted by express sanction of the Medical Board. Four the leading Swedish wholesale drug-houses—"Vitrum,"

in Stockholm: "Allmänna Svenska Kemiska A.B.," in Stockholm; Malmsten & Bergvall, in Gothenburg; and "Lejonet," in Malmo-have now presented a petition to the King protesting against certain of the proposed alterations in the existing regulations. One of the chief objections is the prohibition of free manufacture of certain pharmaceutical products. Objection is taken to the alleged intention of the Medical Board to entrust the sole manufacture of all such preparations—i.e., which cannot be adequately analysed by the pharmacist himself-to the "Aktiebolaget Astra," the chemical factory started some years ago by pharmacists. They remark that already on a previous occasion the suggestion to entrust the alcohol monopoly to this undertaking was rejected by Parliament. Further, it is stated, such a course would infringe the private rights of all wholesale druggists possessing laboratories for the manufacture of pharmaceutical preparations falling within the above description, and would lead to the closing of such laboratories, whereby a large number of pharmacists would be thrown out of employment, increasing the number of unemployed in the country. Should the proposal be enforced, the wholesale manufacturing druggists would be compelled to claim from the State heavy damages in compensation for the loss of their rights. Instead of prohibiting the manufacture of such products, and introducing a monopoly, the wholesalers in question urge the introduction of uniform control over the production of all such preparations on the lines formerly proposed. The suggested control of all establishments in which pharmaceutical products are manufactured was rejected in 1920 on the grounds that it would entail excessive expenditure. It is pointed out in the memorandum that the cost of the suggested control, which would be carried out by the State pharmaceutical laboratory, would not exceed 5 to 10 per cent. of the turnover in the manufacture of such preparations. The petitioners pray that the existing order should be retained with regard to the manufacture and sale of these medicinal products, but that a system of control of the manufacture should be introduced on the lines already elaborated. Should this not be granted, the petitioners reserve themselves the right to claim damages. They also object to the Medical Council being given the absolute right to decide whether an applicant for permission to manufacture pharmaceutical products is a fit person, and submit that the final decision as to the applicant's competence should rest with the King or that he should be given an opportunity to appeal against a decision of the Medical Board. The situation created in Sweden by the proposal to interfere with the right to manufacture pharmaceutical products is of particular interest in view of the efforts which are being made in many Continental countries to restrict and control the elaboration of medicinal agents, the prevailing tendency being to favour their manufacture and distribution by a central establishment. Therefore the fate of the Swedish proposals is likely to have a considerable bearing on the steps taken by other countries in dealing with this question. The issue is also of interest from the point of view of international trade relations, since the enforcement of a national monopoly in the manufacture of certain products will automatically put a stop to the importation from abroad of all monopolised products. As a parallel, attention may be drawn to the French prohibition of all foreign pharmaceutical (compounded) preparations not included in an official pharmacopæia, with the result that while French specialities are permitted free entry in other countries, foreign specialities are excluded from the French market.

#### Council Candidates

THE last two issues of THE CHEMIST AND DRUGGIST have contained particulars regarding the careers and views on pharmaceutical politics of the candidates for the Council election of the Pharmaceutical Society of Great Britain. Mr. W. L. Currie is the only candidate who has not replied to our request for information as to his views. He was the President of the Society at the time the "unjust" by-law was passed which has placed on the Register of Chemists and Druggists the names of forty-nine persons who have not passed the Qualifying examination of the Pharmaceutical Society.

#### Mr. Edmund White, B.Sc., Ph.C.,

was President of the Pharmaceutical Society when war broke out, and he had to carry on his duties in what was



probably the most trying time in the history of the Society. Since he re-verted to his position as an ordinary member of the Council he has not been so much in the limelight, but there is little doubt that owing to his experience he has exerted a great influence on the achierations of Council. He is the not engaged in retail phar-necy, but has for long been regarded as an expert on the educational problems connected with pharmacy. Mr. White favours us with his views in the following concise form:

I have little to add to the well-known opinions I have I have little to add to the well-known opinions I have expressed from time to time concerning my pharmaceutical policy. I think the standard of the Qualifying examination is sufficiently high, and shall hope to see the first part of the examination written instead of viva vocc. This will simplify holding the examination in other centres than London. With the largely increased facilities for secondary education we ought to draw our pupils from those who have acquired a good standard of education.

#### THE ELECTION

The voting-papers will be sent out to members this week and must be returned so that they are received by post not later than the morning of May 17—the day of the annual meeting. Members who attend the meeting may place their voting papers in the ballot-box which will be on the table. The result of the election will, it is expected, be announced later in the day.

The position as regards the election has been shorn of exceptional interest owing to the fact that there are only nine candidates for the seven seats. Five of the retiring councillors—Messrs. Antcliffe, Currie, Parry, Skinner, and White—are seeking re-election, and will doubtless be returned. The four new candidates who will compete for the two remaining seats are Messrs. Greenfield, Lloyd, Marns, and Peek. In the absence of keen competition for seats on the Council, it remains for members collectively to indicate by the order in which the

names are placed the relative popularity of the candidates. A joint address has been issued by Messrs. Antcliffe, Currie, Parry, Skinner, and White.

Mr. E. G. Bryant, Aberdeen, writes us a letter advocating the return of Mr. E. Saville Peek to the Council on account of "his outstanding qualifications to speak on the question of advection" on the question of education.'

Mr. Walter Greenfield, writing in regard to our surmise last week that he is employed as a manager for a London ehemists' company, states that he is a locum tenens. He wishes also to make it clear that he is standing especially to represent managers and assistants in the retail trade.

#### "Maw" Challenge Shield Competition

The following are the rules in the competition between London chemists' associations for the challenge shield offered by S. Maw, Son & Sons, Ltd.:—

1. The competition shall be open to all pharmaceutical

associations in the London area.

2. The trophy shall be perpetual, and shall be presented to and held by the captain of the winning association for the ensuing year.

3. Teams representing associations shall consist solely of members of these associations not engaged in the wholesale trade, their assistants, and the wives and daughters of such members and their assistants. No competitor must be below the age of fitteen years.

4. The competition will be held on Wednesday, June 14, and Thursday, June 15, at Maw's Sports Ground, Monken Hadiey, New Barnet, commencing each day at 2.45 p.m.

5. No handicaps will be allowed in any event.
6. Tennis, goit, bowls, croquet, putting, and quoits will be included in the competitions, and each association com-

peting may enter teams for all events.

7. Points will be awarded for each event, and the trophy will go to the association with the largest number of points

will go to the association with the largest number of points to its credit at the conclusion of the competition.

8. Tennis.—Mixed doubles. Best of three sets (in cases of five all, "sudden death"). Each association may enter two ladies and two gentlemen. Four points will be awarded to the winning pair, three to the runners-up, and two each to tho losing semi-finalists. Opponents will be decided by lot.

9. Gott.—Open to both ladies and gentlemen. The event will consist of an eighteen-hole medal round, the two lowest scorers to play a pure-hole kneck-out round for first and

scorers to play a nine-hole knock-out round for first and second place. The winner to be awarded four points and the loser three. Two points and one point respectively will be awarded to the third and fourth lowest scorers in the

the loser three. Two points and one point respectively winbe awarded to the third and fourth lowest scorers in the
medal round.

10. Bowls.—Gentlemen only. Each association may enter
four players. Opponents will be decided by lot, and the
game will consist of nine ends. The winning team will be
awarded four points, the losing team three points, and the
losing team in the semi-final round two points each.

11. Croquet.—Ladies only. Each association may enter
two players. The competition will be decided on the knockout principle. The winner will be awarded four points, the
loser three points, and the losers of the semi-final round two
points each.

12. Putting.—Ladies only. Associations may enter as many
players as they desire. The player completing the course
in the lowest number of strokes will be awarded four points.
Three points, two points, and one point will be awarded to
the runners-up in order of merit. The number of holes to
be played will be decided by the judges on the green.

15. Quoits.—Gentlemen only. Each association may enter
four players. Opponents will be decided by lot, and the
game will consist of seven ends. The winners will be
awarded feur points and the losers three points. Two
points will be awarded to the losers of the semi-final round.

14. All necessary officials will be appointed by S. Maw,
Sen & Sons, Ltd.

15. Names of all competing societies must be sent to the

14. All necessary officials will be appointed by S. Maw, Son & Sons, Ltd.

15. Names of all competing societies must be sent to the Secretary, Sports Competition, e/o S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C. 1, before May 1, 1922, and names of individual competitors by May 15, 1922.

16. Entry for the competition will be taken as an agreement on the part of the association to conform to the above rules, and any further conditions which the Committee may decide to make.

decide to make.

And yet again.—The "Ladies' Letter" of a recent issue of the "Portsmouth Evening News" is devoted to the popular topic of euring by suggestion. It includes the following passage: "Sir Andrew Clark had a favourite prescription of bicarbonate of potash and a bitter infusion which he gave to numerous patients with nothing really the matter with them. Likewise, another London physician I knew intimately was asked by my mother about some little pilules he kept in a lovely old Chelsea china box. He told her with a smile, 'They are my bread pills.' Many women, he said, consulted him who had nothing the matter with them, and for whom he could not in conscious write a preceding on the them, and to the matter with them, and the same constitution of the same with th conscience write a prescription and let them run up a chemist's bill, so he used to say, 'I'll give you something the chemists don't keep.'" "In conscience" is quite good.

#### Photographic Fair

Makers of photographic apparatus have been more than usually busy during the past twelve months in devising new and improved material, and the results of their labours are well represented at the Photographic Fair, which opened at the Horticultural Hall, London, W.C., on May 1 and closes on May 6. Most manufacturers of papers have added another variety to their existing ones, and there are now at least six makes of roll films on the market. Several new cameras have been introduced, but perhaps the most interesting feature is the reductions in prices. An exhibition of portraits by some of the leading American photographers is of interest to both the amateur and the professional. The following paragraphs deal chiefly with the new accessories of interest

THE ADHESIVE DRY MOUNTING Co., LTD., who claim to be the pioneers in this class of work, are giving demonstrated by the control of the class of work, are giving demonstrated by the class of work and the class of work are giving demonstrated by the class of the class of work are giving demonstrated by the class of th to be the pioneers in this class of work, are giving demonstrations. To dry-mount a print, a sheet of adhesive tissue is attached to the back of the print in one spot by means of a heated iron. Print and tissue are then trimmed together, placed in position upon the mount, and finally passed into the heated mounting-press and finished by pressure. There are several types of dry-mounting outfits, from a small one suitable for amateurs to the large ones for professional photographers. but the to the large ones for professional photographers, but the

principle is the same.

AMALGAMATED PHOTOGRAPHIC MANUFACTURERS, LTD., covers the interests of several firms, including, among others, Messrs. Marion, Paget & Rajar. The company's exhibit, which is on four different stands, provides for practically every requirement of the amateur and professional photographer. Colour photography, which is becoming increasingly popular, is represented by the Paget process, and small complete outfits (10s.) are packed for amateurs. Two daylight developing-tanks have recently been introduced, one for plates or flat films and the other for roll films. The latter, for which there is perhaps a greater sale, is extremely simple to use, and, while within the reach of all pockets, is not a toy, as is often the case. Folding cameras and Rajar roll films also occupy prominent positions, the former having, among other devices, an improved means for invention the films. inserting the film.

An exhibit embracing all the latest styles and designs of mounts, folders, and calendars is to be seen at the

stand of BEAN & HALLIDAY.

F. Brodrick, Ltd., have a display of apparatus suitable for those who do developing and printing of large numbers of films for retailers. A serviceable printer, fitted with electric light, and designed for the speedy production of prints from any film, is shown. It is made with a metal body with an oak top, and has an automatic self-inking device which numbers the prints. Developing tanks made of teak and a cascade washer of similar

material are among other equipment exhibited.

Burroughs Wellcome & Co. draw the attention of the visitor to tabloid photographic chemicals, notably toners and developers. In the latter class the economy effected by the use of tabloid Rytol is emphasised by a screen of eighty-eight quarter-plate negatives developed by the contents of a single carton. In order to impress further the inexpensive nature of this chemical, the volume of developing solution made by each carton of Rytol is shown. An enlargement of a photograph taken during Captain Scott's expedition to the South Pole demonstrates the result obtainable by the use of tabloid green toner.

W. Butcher & Sons, Ltd., have several new folding roll-film cameras  $(3\frac{1}{4} \times 2\frac{1}{4})$  on view, and also call attention to the reductions in the prices of their older types. tormer models include the popular watch-pocket Carbine, a similar one with a f/4.5 lens, and another to which a telephoto lens is adaptable. There is also a tropical edition constructed with insect-proof bellows, the body of which has been specially treated to make it withstand hot climates. Another introduction is Carbine roll films, made in sizes to fit all the leading makes of cameras, and also a film cabinet. The latter works rather like a slot machine, and will be appreciated by retailers. A sundries cabinet for the display and handling of stock is worth attention. In connection with the  $\mathfrak{L}3,000$  competition Messrs. Butcher are packing special competition outfits at prices to suit all would-be purchasers.

REGINALD E. CARTER, Ltd., are showing a wide range of mounts, frames, and albums. A black variety of the last, we are told, is very popular. A feature of the frames is that they are constructed without a strut, the frame standing firmly on its own base. They are obtainable in grey and brown leather and black polished wood. All are well made and attractive.

CRITERION, LTD., display examples of work on Criterion paper from Criterion negatives. The roll films manufactured by the company are available in twenty-two sizes. The Kerotype transfer process, by which prints are obtained on silk, linen, wood, and other materials, is

interesting.

Elliott & Sons, Ltd., makers of Barnet plates, have now put on the market a dry plate, the Barnet Matt-emulsion, which is immune from halation. Among the negatives made with these plates which we inspected at their stand is one of a lighted 1,000-candle-power electric lamp in which the filament and every feature of the lamp is sharply defined. Verona bromide paper is another recent development. The "Barnet Book of Photography" is again available, a new edition having been published.

JULES DE GOTTAL is exhibiting the plates, including a "non-halation" variety, of R. Guilleminot, Bæspflug & Cie., Paris. Another product of the same firm is Folio-brom Guilleminot, in which the sensitive emulsion is on a piece of cardboard instead of glass. After being exposed, developed, fixed, and dried in the usual way the film is detached from the card and is ready for printing. Among the advantages over the ordinary plate are the elimination of breakages and the lower cost.

JOHN J. GRIFFIN & SO'S, LTD., are showing prints on a new paper, known as Trade Gaslight, which combines the advantages of the bromide and gaslight types, and consequently is particularly suitable for firms specialising in developing and printing for retailers. It is made in two surfaces—satin and glossy. Among other exhibits, apart from photographic chemicals and sundries, is the Fortex time valve, which is adaptable to most cameras, and adds six extra exposures, ranging from  $\frac{1}{8}$  to 3 seconds, to the shutter. A cream-matt variety of Goldona and Noctona papers is now available.

HOU HTONS, LTD., have a comprehensive exhibit of apparatus and equipment in which Ensign cameras form the pièce de résistance. A new water circulator for washing negatives and prints may be seen in action. Made in brass and glass, it can be attached to the side of any dish, and is connected to the water supply by a rubber No further attention is required, as the water is automatically changed. Gutfits comprising a camera, ruby lamp, printing frame, measure, and other necessaries packed to retail at 18s. 6d. have been put on the market in view of the All-British photographic competition.

THOMAS ILLINGWORTH & Co., LTD., have, with the opening of the Fair, launched two new ventures—a roll film and a collodion self-toning paper. The former is stated to have a speed of 350 H. & D., and is made in sizes to fit all makes of roll-film cameras and roll holders. Specimen negatives at the stand illustrate the advantages of using Illingworth's panchromatic and other plates, while no small portion of the exhibit is taken up by enlargements on the company's bromide paper.

JOHNSON & SONS (MANUFACTURING CHEMISTS), LTD., have a display embracing bulk and packed chemicals. Among those in the former category mention must be made of the perchloride of iron and silver nitrate. Amidol, metol, glycin, and hydroquinone all occupy prominent positions, as do tank and gaslight developing powders. The last two are packed in convenient-sized quantities for firms specialising in developing and printing for retailers.

Window-displays form one of the features of the exhibit of Kodak, Ltd., in which art the company, as is well known, are among the leading exponents. Models of a new projection printer, which can be fixed to a table, are being shown. When an enlargement is being made it is only necessary to decide on the size required, as the apparatus is always in focus.

The exhibit of Leto Photo Materials Co., Ltd., consists principally of prints showing the wide range of tones obtainable on Seltona paper and the artistic effects produced by Boardoids.

Wellington & Ward have brought out a new gaslight paper called Q-Tone, and numerous prints on it are being displayed. It gives a rich, warm, black tone with a longer scale of gradation than is usually found in this class of paper.

With the exception of the Loopa roll-film developing tank, an inexpensive piece of apparatus which, though not daylight loading, is suitable for beginners, the exhibit of WHITE BAND MANUFACTURING CO., LTD., is chiefly concerned with developers, toners, and other photographic chemicals ready packed for retail.

Other stands of interest are: Messrs. T. W. Alderman & Co. (holiday albums), R. J. Beck, Ltd. (lenses), Ilford, Ltd. (plates and colour filters), Johnson, Matthey & Co., Ltd. (salts of precious metals), Kosmos Photographics, Ltd. (papers), Thornton Pickard Manufacturing Co., Ltd. (cameras), J. Lizars, E. B. Fry, Ltd., and Ross, Ltd. (lenses).

#### Costing Methods in Pharmacy

An abstract of a paper read at a recent meeting of the London (South-East) Chemists' Association by Mr. Herbert Skinner, Ph.C.

The value of knowing something about costing methods is best expressed in the statement that "All selling prices should be based on facts, and the basis of these facts is an accurate record of costs." The charge of profiteering, or the claim of a Minister of Health that he is paying too highly for dispensing services, can only be met by this same accurate record of costs. What is cost? To the man in the street it is what he pays for an article, but to the manufacturer it is the sum of all charges incurred in production and distribution. To the distributor it also includes all costs incidental to handing over an article The purpose of cost accounting (which is to a client. not quite the same as accountancy) is to provide the method whereby all the charges which can be legitimately apportioned to an article shall be charged, and to this sum should be added the agreed profit, thus constituting the selling price. Is there any advantage over the method of adding 50, 100, or 150 to the buying price and treating that as the selling price? There is for the man who intends to run his business on knowledge. If your neighbour is cutting a line and you feel you should compete, you have only one option, and that is to cut down to, or even below, his price. By doing so it may become a dead loss. If you understand the principles of arriving at the true cost you will be armed with knowledge useful in helping you to distribute that article at, or near, the same price at which your competitor sells. Many a man cuts an article finely by the method of buying price plus what he calls his ratio of gross profit. But if he examined his sales having regard to the true cost, he would not cut it quite so fine. At the present time we have a different position from that during the boom years; prices are falling, and the chemist must pass the reduction on to the consumer as soon as he can, because, if he does not, his neighbour probably will, and so capture his trade. But the fall means that he will probably find that his oncost is rising and it is only the cost of material which has fallen. He must know that his additions to primary cost will be commensurate with the sum of all the ancillary costs. If not, he is probably making a loss by reduction. Indirect expenditure will vary in ratio with the direct expenditure, and this is frequently in-different to the primary cost. Costs very often keep in advance of prices, and if due attention were paid to this much price-cutting would disappear. Oncost is all charges other than those concerned with production. Stock also

bears a direct relation to the charges which should be allocated to an article. Thus an article with a quick turnover does not represent the same oncost as a drug which is dispensed by the grain. In estimating stock the depreciation to be allowed on dozens of articles used in dispensing is seldom understood. Therefore when we have to consider the selling price of drugs in oncost a certain amount for this depreciation is necessary. It is useful to know the index of turnover of every line sold, since this enables us to sell better on a competitive basis. Charges such as rent, rates, taxes, light, heating, insurance, paper, labels, corks, string, telephone, postages, etc., are well enough known to enable a man who is willing to ascertain the allocation to find them for him-A clearly defined record of these should be kept. Certain unproductive labour is a separate charge, so that we may know the cost of distribution or despatch, A certain amount of unproductive labour is included in oncost, being covered by the terms of cleaning and such services. Productive labour, which includes salesmanship, is the one item which should be able to cover itself quite easily. In all cases the dispensing department should be costed out separately, as this work resembles manufacturing. The time costs are a material factor, and this was recognised in 1916 in the dispensing terms then allowed, but the conditions pertaining were not quite fair. The time factor is a material one, and if you separate the costs of the various charges you find the proportion is very high. An examination of all the methods of charging for dispensing has not yielded one which is satisfactory other than a costing method.

#### COSTING SYSTEMS

These are for: The determination of the true cost; to provide a reliable basis for estimates; the control of stocks; the provision of statistical information for making contracts; and the allocation of a proper selling price. Efficient costing enables you to know what are the paying The relationship of stock held to the amount consumed is a very important factor. Percentages always present a difficulty, but why is not easy to understand. If you wish to add a percentage to any article it is simple to think in terms of decimals to be added to the unit whole number; thus 10 per cent. is 0.1 to every unit, just as 0.01 is 1 per cent. You can then multiply by the amount required—thus, to add 15 per cent. to 3s., multiply 1.15 by 3 to give the amount in shillings, or 36 if we want it in pence, and similarly if it was in pounds. Again, if we are told in advertisements we have 60 per cent. profit, we know they mean 0.6 to every unit. sounds bigger, so they give it on cost, not on selling, price.

Where we have a certain sum to which we wish to add a given percentage on turnover, it is useful to have a dividing factor. When it is figures like 20, 25, or 33 per cent. we know the dividing factor from experience, but it is better to have the method fixed in our minds. The factor is found by deducting from 100 the required percentage and dividing the sum so obtained by the same figure; this yields the factor. Thus, if we wish to add 20 per cent. on turnover to 7s. 6d., if we did not know the factor from experience we should subtract 20 from 100. leaving 80, which is again divided by 20 yielding 4, which is our factor. And 7s. 6d. divided by 4 yields 1s. 10½d.; 7s. 6d. plus 1s. 10½d. yields 9s. 4½d. which is the price we should sell at to yield 20 per cent on turnover. Proceeding, Mr. Skinner said there were only two lists which bore a true relation to analysis of costs and had a claim on business men not as fetters, but as a guide and help in scientific management. They were costing lists. He claimed the London one as the pioneer. It was the sheet anchor of the Chemists' Defence Association in the profiteering persecution, and it was wanted by the Retail Pharmacists' Union, but they would not pay for No costing system could be applied to prescription pricing which was not based on a complete price list Incidentally he showed how the question of attacking the problem of Insurance terms would be much more promis ing on a costing basis.

#### Westminster Wisdom

By the "C. & D." Parliamentary Representative.

MERCHANDISE MARKS BILL

The Government Bill which was foreshadowed in the C. & D., April 15, has now been issued. It is in charge of Lord Gorell in the House of Lords, and was read a second time on May 3.

#### PHOTOGRAPHY IN THE ROYAL PARKS

In reply to a question in the House of Commons on April 27 it was stated that permits will not in future be necessary for hand cameras in the unenclosed portions of the royal parks, but as the unrestricted use of stand and cinematograph cameras might cause obstruction and lead to infringement of the general regulations in regard to trading in the parks, the First Commissioner does not see his way to modify the rules in these respects.

#### DILATORY DENTAL BOARD

Lieut.-Colonel Croft asked the Minister of Health, on May 1, whether his attention had been called to the neglectful manner in which the Dental Board are dealing with applications for registry which have extended over months; whether, after letters have been sent and satisfactorily answered, the same letters as the originals are sent out by the Board months afterwards; whether, instead of speedily completing the registry, applicants are kept in suspense; and what steps he intends to take to remedy this state of affairs.

Sir A. Mond replied that he had not received any previous complaints of this kind. He had no jurisdiction over the administration of the Dental Board, but if the member will let him have particulars of the cases to which he refers he will have inquiry made. The rules made by the Board require the names of applicants to be published for a month before admission to the register.

#### DANGEROUS DRUGS ACT PENALTIES

Mr. Ramsden on May 1 asked the Home Secretary, in view of the moral and physical damage caused by the illegal sale of cocaine and similar drugs, if he can see his way, with a view to stopping this sale, to order that twelve strokes of the cat, in addition to imprisonment for six months or more with hard labour, be given to all vendors who are caught illegally selling these drugs.

Mr. Shortt replied that he had no power to make any such Order as its suggested. The restriction of the laboratory of the second of the restriction of the laboratory in the second of the restriction.

Mr. Shortt replied that he had no power to make any such Order as is suggested. The penalties are fixed by Section 13 of the Dangerous Drugs Act, and cannot be altered without legislation. The maximum penalty allowed by the Act (for a first offence six months' imprisonment, with hard labour, or a fine of £200, or both) ought in his opinion to be a sufficient deterrent, and he could not undertake to introduce amending legislation of the nature suggested.

#### IMPORTED DYES

In reply to a question in the House of Commons on May 1, the following particulars were given of applications for licences granted or refused during 1921 and the months of January and February 1922:

From-				Granted lb.	Refused lb.
Switzerland			•••	2,138,171	610,755
Germany				796.215	991.894
Other sources	•••	•••	•••	216,455	268-568
Total				3.150.841	1.971.917

It was stated that German dye-makers have recently raised their prices generally, but that when dyes equivalent to their products are put on the market by British manufacturers it is the German practice to reduce prices in an attempt to undercut the British producers.

#### BUDGET PROPOSALS

The Chancellor of the Exchequer on May 1 made the following proposals for the reduction of taxation:

Income-tax

Standard rate reduced from 6s. to 5s.

#### Customs Duties

	Existing Duties	Propose Duties
<del></del>	Duties	Duttes
	Full Rate	Full Rate
Tea lb. Cocoa ewt. Husks and shells ewt. Butter lb. Coffee—	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	£ s. d. 0 0 8 1 8 0 0 4 0 0 0 3
Not kiln-dried, roasted or ground cwt. Kiln-dried, roasted or ground lb.	$\begin{array}{cccc} 2 & 2 & 0 \\ 0 & 0 & 6 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Coffee and Chicory— Roasted and ground, mixed lb.	0 9 6	0 0 4
Chicory— Raw or kiln-dried cwt. Roasted or ground lb.	1 19 8 0 0 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
(Preferential rate on above to remain five-sixths of full rate as at present.)		
Excise		
Chicory— Raw or kiln-dried cwt.	5-6ths of 1 18 6	1 1 1
Coffee or Chicory substitutes or any mixture of such substitutes with Coffee or Chicory \frac{1}{4} \text{ lb.} Sugar—varying cwt. (According to polarisation.)  Molasses—varying cwt.	$\begin{array}{ccc} 0 & 0 & 1\frac{1}{2} \\ 5.6  \mathrm{ths}  \mathrm{of} \\ 11  \mathrm{s.}  2d.   \mathrm{to} \\ 11  \mathrm{s.}  2d.   \mathrm{to} \\ 11  \mathrm{s.}  4d. \\ 5.6  \mathrm{ths}  \mathrm{of} \end{array}$	0 0 1 Excise duty
	$4s, 9\frac{1}{2}d.$ to $13s, 6d.$	repealed

#### Postal Rates

	Present Rates	Proposed Rates
Inland Letters  Letters to the British Possessions generally, the United States of America and British Postal Agencies in	Not exceeding 3 oz. $2d$ .  For every additional oz., $\frac{1}{2}d$ .  Not exceeding 1 oz., $2d$ For every additional oz., $1\frac{1}{2}d$ .	$\begin{array}{c} 1 \text{ oz., } 1\frac{1}{2}d. \\ 3 \text{ oz. } 2d. \\ \frac{1}{2}d. \\ 1\frac{1}{2}d. \\ 1\frac{1}{2}d. \end{array}$
Morocco Inland Postcards Inland Printed Papers*	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} \cdot & 1d. \\ 1 \text{ oz., } \frac{1}{2}d. \\ 2 \text{ oz., } 1d. \\ \\ \frac{1}{2}d. \end{array}$

<sup>\*</sup>The reduction in the rate for printed papers will be accompanied by some limitation of the hours of posting at the reduced rate, in accordance with the recommendation of the Committee on National Expenditure (Cd. 1589).

Expenditure (Cd. 1589).
In addition, there will be certain reductions in telephone charges.

#### College Notes

"ALTIOR" STUDENTS SOCIETY

A PAPER on "Perpetual Motion" was read by Mr. E. Wood before a meeting of the "Altior" Students Society (Leeds College of Pharmacy) on April 29. There was a fairly good attendance, and the paper was fully appreciated.

#### BIRMINGHAM SCHOOL OF PHARMACY

OVER 100 past and present students and their friends, including a number of local pharmacists, attended the recent whist-drive and dance in the Vestry Hall, Islington Row. Mr. Pitt acted as M.C. for the whist and Mr. L. Hærris for the dancing. Mrs. Atkinson, wife of the President of the local Association, presented the prizes, which were given by Messrs. J. W. Atkinson, E. J. Bell, H. Bishop, H. O. Lloyd, G. Knowles, L. Harris, W. E. Gough, and Eucryl, Ltd.

It is announced that "panel" envelopes may not be used for the transmission of correspondence to Australia unless the transparent panel forms an integral part of the envelope.

#### **Festivities**

#### Visit to Parke, Davis's Works

The Southampton Pharmaceutical Association paid a visit to the laboratories of Parke, Davis & Co., Ltd., at Hounslow, in conjunction with the Portsmouth Pharmacists' Association, on April 26. Starting by charabanc from Southampton at 3.30 a.m., the party reached Hounslow at 12.00 p.m., where they were received by Mr Fisk, general manager of Parke, Davis & Co., Ltd. After being entertained to lunch, Mr. Cathecart, manager, outlined the growth of the English factory since its inception thirty years ago, and mentioned that 90 per cent. of the products of the firm sold in this country are British made. Photographs were then taken, after which a tour of the laboratories was made, under the guidance of Mr. Cathecart, Mr. Tyler, Mr. Lowman, and others. After tea the thanks of the Association were expressed by Mr. Sparrow, President of the Portsmouth Association, and seconded by Mr. F. B. Wride, the President of the Southampton Association. Mr. Sparrow challenged the Southampton pharmacists to play them at bowls and cricket. This was promptly accepted by Mr. Wride.

#### The Last of the Season

The inclemency of the weather apparently has no deterrent effect on the attendance at the social functions of the Western Pharmacists' Association, as regular frequenters realise that the Shirtliff welcome, the Pmoli fare, and the general friendliness, so characteristic of these gatherings, more than outweigh the temporary discomfort in travel. The attendance at Pinoli's Restaurant, Wardour Street, W., on Thursday, April 27, for the final whist-drive and supper was as large as usual, over 100 being present. The guests were welcomed on arrival by the President and Mrs. Shirtliff, and among those present were two actual and one potential Councillors, Mr. Iterbert Skinner (with Mrs. Sk nner), Mr. A. R. Melhuish (with Mrs. Melhuish), and Mr. T. Marns (with Mrs. Marns), while prominent Vice-Presidents and other members of the Association included Mr. H. S. Watson, accompanied by Mrs. Watson and Miss Watson, Mr. C. A. Noble with Mrs. Noble, Mr. W. Browne with Mrs. Browne and Miss Browne, Mr. B. R. Wilk nson, Mr. J. P. Ellerington, and Mr. Harry Martin. Others present included Mr. and Mrs. G. A. Tocher, Mr. and Mrs. H. B. Everson, Mr. J. Downing, and Mr. J. Royle. The supper was as lively and enjoyable as usual, and the President only gave one toast—"The King." He, however, took the opportunity to remind those present that two of their members, Mr. Skinner and Mr. Marns, were candidates at the forthcoming Council election. The whist-drive resulted in the first prize for ladies being secured by Mrs. Andrews, the second prize by Mrs. Meinel, the hidden-number prize by Mrs. Widgery, and the consolation prize by Mrs. Fisher. Among the men, Mr. Gray secured the first prize, Mr. Fisher, and the consolation prize to Mr. W. Browne.

#### Exeter Association's Dinner

THE annual dinner of the Devon County and Exeter Pharmacists' Associations was held at Exeter on April 26, when the opportunity was taken of making a presentation to Mr. Philip F. Rowsell (Mayor of Exeter), President of the County Association, in recognition of his services on behalf of pharmacy. The gift comprised a fine old Sheffield four-light candelabra and four old Sheffield candicsticks, together with a syphon stand to Mrs. Rowsell. Mr. J. H. Taylor, in asking the Mayor's acceptance of the gifts, spoke of his magnificent services to pharmacy. Mr. Rowse'l, who was accorded musical honours, offered his thanks to the members for the handsome gifts. For many years, he said, they had worked together with the greatest happiness and concord, and at the same time he was not unmindful that he was in some sense a competitor with his colleagues. Whatever the competition might be, he knew they would always give him credit for endeavouring to crosure that the competition should be fair and honourable. (Hear, hear.) During the last thirty years

he had striven to do his best towards the uplifting of the calling to which he belonged. The Mayoress and himself would greatly value the gifts, and he trusted their happy associations would long continue. (Applause.) The company numbered about eighty. Mr. Rowsell presided, accompanied by the Mayoress and Miss Rowsell, the principal guests being Mr. E. T. Neathercoat (President of the Pnarmaceutical Society) and Mrs. Neathercoat, while the gathering included a large number of ladies. Mr. J. Hinton Lake, proposing the toast of "The Pharmaceutical Society of Great Britain, the R.P.U., and the County and District Associations," referred to some of the vicissitudes of the parent Society through eighty years. To Mr. Neathercoat he tendered the company's hearty welcome. Hc contended that while the acquisition of knowledge was a valuable asset, it had reached the high-water mark so far as pharmacy is concerned. That did not, of course, apply to manufacturing chemical laboratories or analytical laboratories, but when one knew that perhaps 50 per cent. of those in business did not make enough profit out of their dispensing alone to satisfy a policeman, that high standard seemed anomalous. Mr. Neathercoat, who received an ovation on rising to respond, paid a warm tribute to Mr. Rowsell's good work. He was glad of the opportunity of coming to Devon to pay a tribute to the loyalty and enthusiasm of pharmacists in the West and to the activity of the Association in Devon. Their loyalty was not misplaced. Pharmacy was passing through a difficult and critical period. The affairs of the Society had to be overhauled in order to meet the new conditions, and it was a fitting opportunity for him to appeal to the pharmacists of the West to give the Society all the support they could. Whatever improvement there had been in pharmacy had been coincident with the development of the Pharmaceutical Society, and any falling off in membership would have serious consequences. Trade protection was all right; the R.P.U. was certainly wanted, but it would be of very little use if the Pharmacentical Society went down or lost any of its prestige. They were bound to recognise that the old order of things was rapidly changing. The educational programme that did for pharmacists a few years ago would not do to-day, and it was not an increased hardship for pharmaceutical students to have to go through a harder curriculum. The educational that the educational country was rising, and it was only right that the educational country for the pharmacist should rise accordingly. (Hear, hear.) He agreed that they should not jump in front of the van, but they ought to keep up with it. With regard to organisation, the old system was not the system than they was the form of the control of the c system was not the system they wanted to-day. They were hoping to form a common rallying-ground in each of the local centres for all who held pharmaccutical qualifications. It would make for the consolidation of the Society and for the consolidation of the qualification. Arising out of the scheme he hoped they would be able to secure arrangements whereby a big conference would be held every year for the Society and its members, and it would he the great unifying link, which would bring pharmacists together from a'l parts of the country under the ægis of the Society for promoting the things for which it stood. It was up to them to see that the interests of the Society did not suffer, and that they, as trustees, handed down those interests unimpaired in their lustre. (Applause.) Mr. D. A. Evans (President of the Retail Pharmacists' Union), responding in a happy after-dimer speech, acknowledged the good work of the Society. The Mayor, responding for the County Association, made an appeal on behalf of the School of Pharmacy which was run in connection with the Exeter University College. If they wished to retain the school as part of the South-West University scheme, it was up to pharmacists to see that it was kept well supplied with students. Mr. T. C. was kept well subbled with students, Mr. 1. C. Mi'ton also responded on behalf of the Exeter Association. "The Visitors' was proposed by Mr. J. E. Calkin, and Mr. E. Lemmon replied. The toast of "The Chairman" was submitted by Mr. W. E. Hallows, and Mr. Rowsell briefly responded. An excellent musical programme was contributed to by Miss Rowsell, Miss Firch, and Mr. Paul Tiche, while Mr. Morgan Jones entertained the company with "five minutes' magic by a chemist."

#### Association Affairs

Bradford.—The April meeting of the Bradford Pharmaceutical Association, on April 27, was constituted a special extension of the annual meeting of February and was devoted exclusively to revision of the rules. Mr. was devoted exclusively to revision of the rules. Mr. F. W. Appleyard presided. It was proposed that there should be four sections: (a) Members of the Pharmacentical Society; (b) members of the Retail Pharmacists Union; (c) members other than in (a) and (b); (d) registered students of the Pharmaceutical Society. Sections (a), (b), and (c) were to be designated members, with full voting power, and the students as associate-members, with voting power, and the students as associate-members, with voting power only in their own section. Mr. W. Sutcliffe proposed an amendment that only members of the Pharmacutical Society should be full members of the local association, with full voting powers; that all other pharmacists should be designated associate-members, with power to vote only at general and sectional meetings and not to hold office; and that students of the Pharmaceutical Society should be designated student-associates of the local association, with voting power in their own section only. Mr. Sutcliffe introduced the amendment because he felt that the local association should support the Society in increasing its membership. Mr. Burdett endorsed Mr. Sutcliffe's tributes to the Society and as to the desirability of getting all chemists into the Society, but they had to face the fact that some men have a grievance, or a fancied grievance, against the Society. While it is the duty of ehemists to join the Pharmaceutical Society, he could not be a party to compelling them. No chemist would care to remain in the local association and be pilloried because he is not a member of the Pharmaceutical Society. He thought the amendment raised grave risks of a split in the ranks of pharmacy. Mr. Cross supported Mr. Burdett's views. Mr. D. S. Priestley agreed that the amendment was an ideal, but he did not think it practicable. A man certainly ought to join the Society which qualified him, but it would be bad tactics to compel him. Mr. R. T. Silson thought the Society has stood so far on its merits. If it ceased to function according to modern needs, no amount of tradition can keep it together. In answer to a question by Mr. Cross, Mr. Sutcliffe said he would not be satisfied merely by debarring the non-members of the Pharmaceutical Society from holding local association office. He was taking a stand on an ideal, and he thought it was a practical ideal. Eventually, after a prolonged discussion, Mr. Sutcliffe's amendment was carried by a majority of one. This involved certain alterations in the remaining conditions of membership and subscription rates, and on the proposition of Mr. Priestley, as amendments to the printed draft, the conditions were altered to provide that section (a)—members of the Pharmaceutical Society—shall be full members, with full voting powers; sections (b) and (c)—R.P.U. members who are not Pharmaceutical Society members, and pharmacists other than those in section (a) or (b)—shall be associatemembers, with voting powers at general and sectional meetings, but not at annual meetings, nor shall they hold office; and section (d)—student-members—shall have voting powers only in their own section. For full members (members of the Pharmaceutical Society and of the R.P.U.) the subscription is 7s. 6d. per annum, plus whatever may be the fee to the R.P.U.; for full members who are not in the R.P.U. the subscription is 7s. 6d. only, as also is that for section (b) and (c) members; and for student-members the subscription is 3s. 6d. per annum. Officers of the local association are to be full members only -that is, members of the Pharmaceutical Society. Mr. Cross afterwards called attention to the sale of a fever cure by local grocers, unstamped, and declared by label to contain acid. nitric. dil., aqua menthæ pip., etc. The matter was put into the hands of the secretary of the R.P.U. section to investigate.

Rull.—A meeting of the Hull Pharmacists' Association was held recently, Mr. Tebb (President) in the chair. A vote of sympathy with Mr. John Keall, on the death of his wife, was passed. Mr. Herbert Antcliffe

(Sheffield) then gave the meeting an account of the activities of the various committees of the Pharmaceutical Society, and answered questions put to him by many of those present. Mr. Anteliffe received a hearty vote of thanks for his address.

Lancashire (N.E.).—A meeting of the North-East Lancashire Chemists' Association was held on April 26, Mr. R. Pickup presiding. It was decided to accept the reduced terms for dispensing under protest and to frame a memorial, to be signed by every chemist on the panel, to forward to the Commissioners. Mr. R. H. McMyn and Mr. A. Dobson were appointed to represent the Association at meetings of the Blackburn Chamber of Trade. It was decided to organise a picnic for June 29.

London (E), A meeting of the East London Pharmacists' Association was held at Limehouse on April 27, Mr. A. R. Keith (President) in the chair. The secretary submitted the balance-sheet for the past session, which was passed. The meeting was addressed by Mr. T. Marns, candidate for the forthcoming Pharmaceutical Council election, who was accerded a vote of thanks. The chairman stated that East London is too weak numerically to form a separate branch of the Pharmaceutical Society, and it was proposed to join forces with West Ham. The East London branch of the Retail Pharmacists' Union had been registered, and Messrs. Keith and Abeison will act as branch President and secretary respectively. Alterations in retail prices were discussed. A suggestion from the County Executive that a fee of 6d, should be charged for each Dangerous Drugs registration was declared to be impracticable under the conditions ruling in the district, and the letter was allowed to lie on the table.

Manchester .- The fifty-fifth annual general meeting of the Manchester Pharmaceutical Association was held on April 26, Mr. T. E. Eastwood (President) in the chair. The report of the Council, prepared by the secretary (Mr. T. Miller), was taken as read, as it had been sent to all the members. Among the subjects mentioned was the dissatisfaction at the cost of producing "The Pharmaceutical Journal," which seemed out of all proportion to its value. The committee had met, and, after a lengthy discussion on the financial statement, it was considered sumcient at the time to indicate to the Council of the Pharmaceutical Society that they were not satisfied with the general condition of the finances of the Society, and a resolution was passed suggesting that the Council of the Pharmacentical Society should consider the desirability of issuing "The Pharmaceutical Journal" monthly instead of weekly, or adopt some other method of bringing about a more satisfactory condition of attairs. The Manchester Association was referred to a minute of the Council, dated February 2, 1920: "That this Council is of the opinion that the Journal Committee should proceed with its inquiries into the future production of Journal on the basis of continuing its publication as a weekly periodical." The Council of the Association is still of the opinion that a monthly Journal published on the lines of the Journal of the American Pharmaceutical Association would be a source of great economy to the Pharmaceutical Society and place it in a sounder financial position. At the same committee meeting some dissatisfaction was expressed with the administration of the War Auxiliary Benevolent Fund. Mr. Kirkby was authorised to bring this point before the annual meeting of the Pharmaceutical Society, and to urge that a statement of the work done by the Fund Committee would be appreciated by subscribers. This surgestion was accepted by Mr. E. T. Neathercoat, President of the Society, and a report was published in the autumn and circulated to the Associations. The suggestion that branches of the Society and the Retail Pharmacists' Union be formed within the Association was to be decided at this annual meeting. The affiliation of the Manchester Chamiter. Pharmaceutical Association with the Manchester Chemists' Assistants' Association was also dea't with. The action of the Council came up before the annual meeting, and was approved. Among other subjects mentioned in the annual report (and reports of which have appeared in the C. & D.) are the Minimum Retail Price-list, the meetings of the

North-Western Federation, the Dangerous Drugs Act Regulations, the dinner and presentation to Mr. A. J. Pidd. A record of the work done in connection with the Worsley Hall Red Cross Hospital, the Belgian Doctors and Pharmacists Relief Fund, the War Auxiliary Benevolent Fund, and dispensing by pharmacists for the dependants of sailors and soldiers has been prepared, and will be incor-porated in the local war record which is being compiled by a special committee appointed for the purpose. When completed the record will be housed in the Manchester City Reference Library. After the report of Council and the annual report had been passed and approved, the treasurer (Mr. A. J. Pidd) submitted his report and balance-sheet, which was satisfactory. With the balance brought forward, the total funds in hand amounted to £101 0s. 2d. As there were three new candidates nominated for two territorial divisions on the Manchester Pharmaceutical Association Council there was an election. The present members, Mr. J. Beal and Mr. J. H. Nidd, were re-elected for the Rochdale Road district, and Mr. A. Hershberg and Mr. J. C. Kidd were re-elected for the Cheetham Hill district. Votes of thanks were passed to the office-bearers and to Mr. F. W. Bates, J.P., for his services as chairman of the Pharmaceutical Committee and secretary of the Price-list Committee. The President read a letter from Mr. A. Newton, a member of the Association, in which he asked the acceptance of a copy of the 1809 edition of the "London Pharmacopæia." A vote of thanks was passed to Mr. Newton for his generous gift. A resolution passed at the November meeting in favour of affiliation of the Senior and Junior Associations, which would be an advantage to both organisations, to be effected by the allotment of one seat on each Council to a representative of the other Association, was approved. In the absence of Mr. Hershberg, a resolu-Society and the Retail Pharmacists' Union within the Association was proposed by Mr. Bygott, and Mr. J. Grier seconded. Mr. F. W. Bates, J.P., proposed an amendment: "That the Manchester Pharmaceutical Association form a branch of the Pharmaceutical Society." reason he did this in opposition to the resolution was that he did not agree with the idea of forming a branch of the R.P.U. within the Association. After a discussion, Mr. E. H. Simmons proposed: "That the Council be instructed to take the necessary steps to form a branch of the Pharmaceutical Society for Manchester, Salford, and district," This was carried unanimously.

#### North Wales Federation

THE annual meeting of the North Wales Federation of Pharmaceutical Associations was held at Rhyl on April 26, with Mr. J. B. Francis (President) in the chair. There was a large number of pharmacists present, and these were welcomed by Mr. J. H. Evans (Evans Sons Lescher & Webb, Ltd). In a few opening remarks Mr. Evans paid a tribute to the work of the Pharmaceutical Society, and said the value of such a Society was not appreciated as it should be. Sir W. Glyn-Jones afterwards addressed the Federation on *Pharmaceutical Problems of To-day*. Sir William owned to much sympathy with the pharmacist situated some distance from headquarters, and who in tho days that lay behind felt that he got nothing for his annual subscription except the weekly "Journal." But since the decision in the test case the Society was able to work under changed conditions, and carry on the really most vital part of its work-scientific development, teaching, examining, and last, but not least, the social side of the pharmacist's life. He then gave the details of the new scheme of organisation. The work of the branches would be assisted by the provision by headquarters of facilities for scientific educational lectures and annual conferences. Mr. J. W. Adamson (Colwyn Bay) proposed the vote of thanks to Sir William for his address. The meet-Evans.—At an adjourned meeting Mr. Jas. B. Francis was unanimously re-elected *President* of the Federation; also the following: Vice-President, Mr. P. J. Ashfield; Treasurer, Mr. J. W. Adamson; Hon. Secretary, Mr. J. W. Adamson; A. E. Slinn.

#### The Marketing of Goods

An abstract of a paper read at a meeting of the Edinburgh Rotary Club, on April 21, by Mr. W. W. Brown, chemist and druggist, Edinburgh, director, Violiv Manufacturing Co., Ltd.

MR. BROWN explained to the meeting that he had entitled his paper "The Marketing of Goods," as it was entitled his paper "The Marketing of Goods," as it was a better description than "selling," The difficulty of the a better description than "selling." The difficulty of the present day was not a question of supplying a want but rather in creating a demand. Many business men refuse to study carefully the best methods of placing goods on the market, with the result that much business is lost to this country. The failure of the British mer-chant to meet American and German competition was due to apathy and unwillingness to consider the best selling methods and refusal to organise on modern lines. The policy of the British business man and his managers in charge of a business to-day seemed to be that they knew all there was to be known regarding the manufacturing side, but had no knowledge of how to sell their manufactures. In his own particular business, that of a manufacturer of pharmaceutical toilet preparations, the British market was dominated by German and American competition. Even before the war Germany did not always win on the matter of price, but by her superior marketing and commercial ingenuity. Referring to aspirin as an article with a world-wide demand, he said that Germany had not the monopoly of the manufacture, but of the art of marketing it. The British facture, but of the art of marketing it. manufacturers were quite content to put it out under its chemical name, while in Germany it was passed on to a staff of experts who ascertained what it was good for and how it should be used. It was then passed on to the sales staff. The first step was to coin a word and register a trade-mark, and the full therapeutic value of the article was described to the medical profession. By advertising in the medical Press and freely distributing samples and by direct interviews, the medical profession was "wooed and won." The main point to remember was that the Germans were able in pre-war times to get eight times more for their product when registered under a special name and properly marketed than British manufacturers could by selling it under its chemical name. Two firms in Edinburgh produced most of the world's supply of morphine and allied drugs. A new chemical was discovered, known as diacetyl-morphine, and the firm, after giving a scientific paper on it, left it at that. Shortly afterwards a German firm came along with the same product under the name of heroin, took the usual aggressive method of marketing, and again put before the medical profession in that way it came into daily use.

#### SELLING TOILET ARTICLES

In the toilet side of his business it was the American who dominated the field. Ninety per cent. of the toothpastes used in this country are made in America or by branches of their firm in this country. The method used by the American generally is to make the flavour of the tooth-paste attractive, while one firm arrested attention by stating that their article killed germs of decay in thirty seconds. Another American firm produced a tooth-paste tube with a square hole instead of a round aperture; this gave them the advertising slogan that it came out like a ribbon and lay flat on the brush. This firm spent £6,000 on a single three-page advertisement in a well-known American journal. Anyone who knew the British market would have said that there was no room to introduce a new tooth-paste, but recently a firm came along with a new paste under a new guise, and in six mouths in every town and village throughout the country this paste was selling at 2s. a tube, while the best paste on the market previous to its appearance was selling at 1s. 6d. British firms could have held this market if they had only chosen. Why should the British market be such an easy prey for any foreigner who cares to enter it? The remedy lies in the manufacturers' hands, and no Government or protection or free trade or any political panacea can ever alter present conditions. It is a duty which devolves on every British manufacturer.

#### Insurance Act Dispensing

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

#### Reports from Local Centres

#### **ENGLAND**

Bath .- At a meeting of the Insurance Committee, on April 27, a complaint was heard concerning a panel chemist, Mr. H. W. T. Gedge, 12 Chapel Row, Queen Square, whose removal from the panel is to be recommended. It was alleged that in a prescription a doctor ordered lin. saponis ½ oz., and the ehemist appeared to have endorsed the script "lin. saponis 8 oz.," which quantity was not confirmed by the practitioner. Also that he dispensed an 8-oz. prescription in a 6-oz. bottle. same complaint was made in respect of other prescriptions. The Committee's findings were: That he forwarded the prescription to the Pricing Bureau with the intention of seeking to be paid for 8 oz., having supplied ½ oz. only. As to complaint No. 2: In each instance the allegation was admitted by the chemist to be true. The prescriptions are generally dispensed by a youth of eighteen years of age. Complaints of the same practice by the chemist had been previously communicated to him by the chairman of his local association. After giving full weight to the explanation offered by the chemist, namely, that during the period covered by the complaints he was conducting his business under great pressure of work due to the epidemie of influenza, the facts show a lamentable want of supervision on the part of the chemist and a failure to comply with Clause 7 of the Terms of Service for Persons supplying Drugs and Appliances. The Committee reported that the continuance on the chemists' panel of Mr. Gedge will be prejudicial to the efficiency of the medical service of the insured, and recommended that representations be made by the Insurance Committee to the Minister of Health to this effect. After a discussion, the recommendations were carried unanimously.

Devon.—A meeting of the Pharmaceutical Committee was held at Exeter on April 26, Mr. Murray T. Foster presiding. The reports of the Central Checking Bureau for October and November were approved. The secretary was instructed to circularise chemists who dispense for the Ministry of Pensions reminding them that the Ministry will refuse payment of prescriptions for proprietary medicines, dressings, etc. It was agreed to protest against the reduced dispensing-fees.

Essex. —The quarterly meeting of the Insurance Committee was held on April 25, Mr. J. H. Burrows (chairman) presiding. Mr. S. H. Payne explained that the Panel Committee was entitled to £1,300 a year, and the Pharmaceutical Committee to a similar amount for their expenses, but the Panel Committee had only budgeted for £558, and the chemists for £444. A report from the East Anglian Pricing of Prescriptions Committee stated that the proportion of the expenditure incurred by the Joint Committee during 1921 was £1,277 17s. 2d. The number of prescriptions priced was 792,503. Their proportion of the estimated expenditure for 1922 is £1,064. Seven names have been added to the panel list of chemists, and there were four withdrawals. The Finance Sub-Committee reported that £1,602 16s. 3d. had been paid on account to practitioners in rural areas for dispensing during the quarter ended March 31, and to chemists £7,031 7s. This was approved. Mr. Payne (chairman of the Finance Sub-Committee), in a statement dealing with expenditure, stated that the total amount paid to chemists from 1913 to 1921, both inclusive, was £212,207. A letter was read from the Ministry of Health, addressed to the Retail Pharmacists' Union, giving the Ministry's pcint of view for a reduction in the fee. Insurance Committees are being asked to circulate to Insurance chemists a copy of this letter, with a copy of Parts 1 and 3 of the recent Drug Tariff. The clerk (Mr. Wylie) said that he had received letters from eight chemists on the Committee's panel protesting against the reduction. The Medical Benefit Sub-Committee presented a brief report

upon the cost of some of the prescriptions in November and December last. Among these was one which cost £8 6s. 8d. for a patient suffering from tetanus. The doctor who gave it wrote that the insured person's life hung in the balance for two weeks, but the treatment saved his life. There was a number of other highly-priced prescriptions.

London. The monthly meeting of the Insurance Committee was held on April 27, Sir Thomas Neil (chairman) presiding. Among the accounts passed for payment by the Finance Sub-Committee was the sum of £26,299 to chemists for the medical year 1921-22. The Medical Benefit Sub-Committee called attention to a resolution that facilities be afforded the Metropolitan Borough Councils to obtain for analysis samples of medi-Three chemists had recently been proceeded against. They recommended that action be taken under the Sale of Food and Drugs Acts in the matter of the supply of drugs. Mr. Melhuish said that, considering there were five million prescriptions dispensed a year, he did not think because there were a few proseeutions the course suggested would recommend itself to the Committee. He had no hesitation in saying that the chemists of London had rendered efficient service. He protested against the proposal. Mr. Skinner repudiated any intention of making insinuations against chemists of London, who generally were performing their duties in a satisfactory manner. Mr. Lessor said he had the pleasure of being a member of the Pharmaceutical Committee for several years, and could testify to the efficient manner in which the chemists discharged their duties. An amendment that the attention of Borough Councils be called to cases of the kind referred to, but that they should not be invited to take action, was lost, and the report adopted. With regard to the following note appearing in the London Pharmacopæia, "It is to be understood that the preparations ordered by practitioners will refer to the formulæ in this book unless otherwise stated," the Ministry of Health had observed that the preparations specified in the Drug Tariff are standard preparations, and that in the view of the Department is the propagation of the Department of the preparation of the Deparatment of the preparation of the Deparatment of the preparation of the Deparatment of the preparation of th ment it is undesirable that preparations differing in composition from Tariff preparations should be included in a local Pharmacopæia under names similar to those included in the Drug Tariff. The following particulars of urgent prescriptions dispensed during 1921 and for which double fees have been allowed were submitted.

	First	Second	Third	Fourth
	Quarter	Quarter	Quarter	Quarter
No. of prescriptions	1.078	690	345	645
Average cost	9.90 d.	11.30d.	11.08d.	11.47d.
Dispensing-fees	10.677 d.	7.815d.	8.252d.	7.398d.
Number of practitioners				
issuing prescriptions	226	215	215	1,119

Nottingham .- At a meeting of the Insurance Committee on April 28, complaints that certain chemists were supplying smaller quantities of medicine than had been prescribed were reported upon by the Joint Services Sub-Committee. In one case an 8-oz. mixture was supplied instead of 12-oz. ordered by the doctor. The chemist informed the doctor that the insured person refused to buy a 12-oz. bottle. The messenger stated that she was neither asked to procure a larger bottle nor given any indication that the full amount had not been supplied. The sub-committee recommended that he be censured and warned. In another case the sub-committee recommended that the chemist be severely censured for what he explained was "an error due to his mistaking the size of the bottle when dispensing." A further case concerned a chemist who had twenty-five prescription-forms in his December account which revealed lesser quantities dispensed than had been prescribed. This chemist, it was stated, informed the Pharmaceutical Service Sub-Committee that he had been under an entire misapprehension. He understood that if a small bottle was produced and the appropriate deposit for a larger bottle was refused a chemist was in order in supplying a quantity in keeping with the size of the bottle presented and making the prescription accordingly. It was recommended that the chemist be cautioned. The

Medical Benefit Sub-Committee intimated that reports had been received from the Pauel Committee as to a scrutiny of the prescribing of six doctors, and the recommendations of the Pauel Committee were that none of the cases called for any action.

Saltord.—At the monthly meeting of the Insurance Committee on April 27 it was reported that during 1921 the number of scripts issued was 342,198, with 414,019 prescriptions dispensed at a cost of £16,697 15s. 2d. The average cost per script was 11.71d.; per prescription, 9.68d. The total cost of prescriptions in 1920 was £15,099 19s. 7d. Payments to chemists amounting to £1,919 17s, were authorised.

Sheffield .- The clerk to the Insurance Committee reported that he had had a number of prescriptions written by practitioners on the panel, which had been presented by members of the staff to chemists, and that arrangements had been made with the City Analyst for the analysis of medicines. Appliances would require to be examined in some other manner. A small committee was formed to consider the report. The clerk reported that there had been a considerable improvement and a great reduction in the number of incomplete pre-scriptions dispensed. The minutes of the Sheffield In-surance Committee for May contain a report of a meeting of the Joint Services Sub-Committee, which considered a complaint made by the Pharmaceutical Committee. The complaint was that a practitioner had not complied with the instructions of the Committee as to the proper completion of prescriptions, and that upon a script being returned to him he refused to complete it in such a manner as would enable it to be dispensed by any chemist, but instructed the patient to go to a particular chemist. A further matter relating to the same practitioner was that the practitioner had given a prescription for a "tubo morph, hyd. tablets, grs.  $\frac{1}{4}$  each, 12 hypodermic tablets, for the doctor's use only. To be sent to me direct for the above patient's use," it being considered that the instructions were irregular. The practitioner denied stating that the script was from his own formula, although he had recommended a particular chemist on the grounds that such chemist had invariably dispensed prescriptions for this mixture, in the past, without any bother. The practitioner also stated regarding the tube of morphine tablets that he had supplied part of a tube himself, and more being required he had requested that the tablets should be delivered direct to him, so that he might give them to the patient a few at a time. The practitioner had written stating he was unwell and requesting the Committee to excuse his attendance. The sub-committee found that the practitioner issued a prescription incomplete in the medical portion; and that he improperly recommended the patient to take the prescription to a particular chemist for the medicine to be made up. In the second case, the action of the practitioner in giving a prescription with instructions that the drugs should be delivered to him was irregular. The sub-committee recommend that the practitioner be severely censured, and that the Minister of Health be recommended to withhold the sum of £5 5s. from the Exchequer grant payablo to the Committee in respect of the year the sum so withheld to be recovered from the practitioner. The Committee also recommended that a letter be sent to the chemist censuring him for dispensing the incomplete prescription referred to in the first case.

Shropsh.re.—A meeting of the Pharmaceutical Committee was held on April 27 at Shrewsbury, when the report and balance-sheet for the past year were adopted and ordered to be circulated to panel chemists. Great dissatisfaction was expressed at the reduction of the dispensing-fee and several protests were made to the County Insurance Committee. It was regretted that without consultation with the Pharmaceutical Committee the County Panel Committee had circulated a new formulary. This, it was thought, would eventually lead to the prescribing of stock mixtures. The services of the Retail Pharmacists' Union were appreciated and satisfaction with the West Midland Pricing Bureau was expressed. It was decided to call a meeting of chemists at an early date to discuss the question of organisation.

Warwickshire.—The Insurance Committee met on April 26. The proposed adoption of the new formulary was again discussed at the request of the Panel Committee. The Insurance Committee, however, confirmed their former opinion that it is inferior to the one in present use. The estimated administrative expenses of the Pharmaceutical Committee for the current year were agreed to. The clerk reported that he had received several protests from chemists against the revised dispensing terms. The following data was received from the West Midland Pricing Bureau as to prescribing in 1921: No. of prescriptions, 205,030; cost, £8,824 19s. 11d.; average cost per prescription, 4.89d.; average dispensing-fee, 5.44d.

Wiltshire.—A meeting of the County Pharmaceutical Committee was held at Chippenham recently, Mr. R. T. Christopher in the chair. A discussion took place on the South-Western Formulary, and it was resolved to ask the Insurance Committee to receive delegates from the Committee on the subject. The annual report and financial statement showed that 100,791 scripts had been dispensed at a cost of £4,980 14s. 2d., the average cost being 11.85d. per script. The administrative cost of the Committee was 1.75 per cent. A report was put in from the Dispensing Sub-Committee showing that a basis had now been reached for dealing with rural areas. Every panel chemist was advised to protest against the new dispensing terms.

**Drug Tariff.**—In the list of alterations for May in the Insurance Drug Tariff for England and Wales, which we printed in the C. & D., April 29, p. 70, the prices of containers should have been attached to the section beginning "Lower." The prices show a substantial reduction on the previous tariff.

#### SCOTLAND

Aberdeen.—At a meeting of the Burgh Health Insurance Committee, held recently, reports by various committees and sub-committees were submitted for approval. A report by the Finance and Medical Beneat Eub-Committees tated that an insured person had to pay for her own medicine, presumably a proprietary drug. The Panel Committee had reported that it was not advisable at the present time to reopen the decision arrived at by the Insurance Committee on May 8, 1916, that proprietaries should not be admitted. At the same time they intimated that doctors are right in declining to prescribe "collosol" manganese and "antiphlogistine," these being proprietary medicines for which there are equivalents. Correspondence was submitted with regard to an inquiry respecting an item of prescribing in the December 1921 statement from the Central Checking Bureau. A doctor had ordered rectified spirit costing 7s. 7d., whereas he intended to prescribe methylated spirits costing only one-fourth of that amount. The chemist said that he dispensed the latter, but had omitted to change the form, and was therefore overpaid. The clerk suggested that an adjustment be made in the following month's account.—The desirability of having a nursing service for insured persons was also discussed. It was stated that a scheme could be arranged whereby twelve nurses could be employed by the payment of 1s. per annum by each insured person, and it was decided to place the scheme before a conference of the Committee and the representatives of approved societies to be held on May 10.

Ayrshire.—At a meeting of the Insurance Committee recently, an abstract of the Central Checking Bureau's monthly statements, which was presented, showed that the decrease in the cost of prescribing since last year, during August to November, was over 3d. per prescription. In November the total amount spent was £372 2s. 8½d., compared with £483 4s. 11½d. in November 1920. The Committee is carefully scrutinising the prescribing of proprietaries.

**Dundee.**— During January 17.250 prescriptions were dispensed; the figures since 1915 are: 1915, 12,753; 1916, 8,384; 1917, 9.256; 1918, 8,016; 1919, 7,279; 1920, 10,608; and 1921, 10,259.—The case of a local doctor who had

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ordered during the month of December last ½ cwt. cod-liver oil for his panel patients was discussed by the Insurance Committee on April 19. Dr. R. C. Bust stated that, although malt and cod-liver oil was supplied from the chemist, it was partly a food and occasional, y a drug. The Committee had given instructions that foods must be procured out of the sickness benefit of the patient. Where drugs were necessary they might be prescr.bed to the absolute limit so far as the doctor thought they were justifiable. The matter was allowed to drop pending another report. The Committee decided to seek further information before committing themselves to formulating a scheme for a nursing service. The Medical Benefit Sub-Committee had recommended that the proposal be supported.

#### Royal Academy of Arts

Ir the importance of the drug-trade in the general scheme of things had to be measured by the references or even the cross-references—to it in this year's Royal Academy Exhibition, which opened at Burlington House, London, W., on May 1, it would appear to be but little greater than that of snakes in Iceland. One exception to this state of things meets the eye in the shape of an architectural sketch (1140) for a collapsible-tube factory at Southall: the building is planned on so large a scale that it might have been allotted by the visitor, in the absence of the catalogue, to the purposes of the motor industry or even those of some Government department. Portraits are, perhaps, more numerous in proportion than usual; and they are of interest in that several of our most popular painters are strongly represented. The presentation portrait (399) of Lieutenant-Colonel Conway Bishop, V.D., first chairman of Kemball, Bishop & Co., Ltd., will attract attention by the happy expression and pose of the sitter. Among other notabilities por-trayed are the Hon. Sir Charles Parsons (86), Lord Bearsted (99), Sir Norman Moore, Bt., ex-President of the Royal College of Physicians (203), Dr. Jane Walker (326), and Sir James Crichton-Browne (147): the medical profession is also represented among the statuary by busts of Sir John Bland-Sutton (1386), and Miss M. Bostock, M.D. (1349). The memorial tablet to the late Sir William Ramsay (1354) is one of the most impressive things in the exhibition. Simply designed in the form of a bronze medallion framed in marble, it bears no wording other than "William Ramsay-Chemist" the dates of his birth and death. While in this section the visitor should not overlook a bust (1393) of the President of the Academy, Sir Aston Webb, K.C.V.O., who is a brother of Mr. E. Alfred Webb, Ph.C., nor a medallion (1361) by Mr. F. Mowbray Taubman, artist medallion (1361) by Mr. F. Mowbray Taubmau, artist and pharmacist, who has drawn upon mythology for his subject. The delicate art of miniature is exemplified by the Misses Ethel and Nina Brisley, daughters of a Sussex pharmacist. The former contributes a portrait (973) full of charm and "Belinda" (985), a girl with a doll; the latter, in "Taffy and the Twins" (983) makes evident the delight of a child in watching kittens lap from a saucer. Of topical interest are drawings of the war memorial at St. Mary's Church, Nottingham (1148), premises to be erected in Hallam Street, London, for the premises to be erected in Hallam Street, London, for the Dental Board (1219), and a proposed memorial tower for the Royal Northern Hospital, London (1127). Sir Aston Webb and his son contribute drawings full of character (1159, 1164) to this section. The customary array of chalk-pits is varied this year by a water-colour painting entitled "French Chalk," which depicts not creta Gallica but a stretch of country with chalk excavations here and there. The absence of pharmaceutical bookplates is again a matter for remark: a few specimens would have been welcome in exchange for some of the more conventional canvases that, like the poor, are

EARLIER CLOSING IN CAIRO.—The International Association of Pharmacists in Cairo has for some time been agitating for early closing, and a large number of adherents agreed, from April 1, to close on weekdays at 9 p.m. and on Sundays between 1 and 5 p.m.

### Pharmacy Reform in Czechoslovakia

One of the legacies taken over by the new States created by the terms of the Peace Treaty is an intricate pharmaceutical system based on conceptions which are hardly consonant with the democratic views now prevailing. Not only are the new States confronted by this problem; Beigium, France, and Italy also participate in the same legacy, taking the form of the inclusion, together with the accretion of territory, of a number of pharmacies claiming well-defined monopoly rights totally at variance with the principle of the free exercise of the profession which obtains in those countries, with the result that each of these countries is faced by the existence within its borders of a small body of citizens who claim privileges not extended to the remainder of their professional brethren and fellow-citizens.

We have already had occasion to refer to the steps taken to reorganise the basis of the pharmaceutical profession in Poland and in Esthonia, and now the information reaches us that Czechoslovakia has also tackled this vexed question. This important new State of Central Europe, with a population of 13,000,000 inhabitants, consists of the former Austrian lands of Bohemia and Moravia, with portions of Galicia, Silesia, and also Hungary, and contains about 1,000 public pharmacies. Apart from minor differences of a purely administrative nature, the new Republic took over a system of pharmacy based on the existence of two distinct categories of businesses: one category consisting of so-called privileges, i.e. pharmacies which are the absolute property of the owner and can be freely sold by him to any fully qualified pharmacist, and another class composed of the more recently created pharmacies which belong to the category of personal concessions; in other words, the holder of the concession is merely a life tenant of the business, and on his death, or retirement, the concession, or right to conduct the business, reverts to the State. The problem which confronts the legislator in many European countries is to find a satisfactory method of abolishing, by legal means, the monopoly held by the owners of the saleable privileged pharmacies, an obstacle which stands in the way of all pharmacy reform in these countries, as it involves considerable sums in the form of compensathe involves considerable sums in the form of compensation for an exclusive title granted in bygone days. The Czechoslovak Pharmacy Bill now before the National Assembly of the Republic is the work of Dr. Kulhavy, a departmental head in the Government, and is intended to regulate in detail the whole subject of the exercise of the profession. Representing as this measure does the official view of the position of pharmacy in a country which may be destined to play an important rôle in Europe, its provisions are not without interest, and we give its more salient features.

#### General Provisions

The preparation and sale of all kinds of remedies and medicines, as well as poisons, is reserved exclusively to pharmacies. An exception is made with regard to the manufacture on a large scale of medicinal products, and also the wholesale trade in these two branches of undertakings, which may be carried on outside a pharmacy. The Government may permit, by special decrees, the sale of certain remedies and poisons by persons who are not pharmacists. A new edition of the Pharmacopæia is to be issued every ten years, and a supplement every year. Every two years two drug tariffs will be published, one for private prescriptions, and the other for calculating the charges for prescriptions for members of sick clubs and similar associations; supplements to these tariffs may be issued not more than twice in the course of a year.

#### CATEGORIES OF PHARMACIES

There will be two classes of pharmacies: public pharmacies and private pharmacies. Public pharmacies are those businesses which are intended to supply the requirements of the general public, and on demand are compelled to deliver the medicines asked for. A public pharmacy may be owned by the State, the parish, a public

institute (such as a hospital), or by a private individual

possessing the necessary qualifications.

For public pharmacies which are not run by a public body, the purely personal type of concession will obtain. Competitors for a concession will be required to pass a special professional examination, which marks an innovation, five years after obtaining the qualification as master of pharmacy, and the concession can only be granted to a pharmacist who has spent at least seven years as an assistant or manager since qualifying. The concession is granted only for the lifetime of the holder, and on his The concession is death, or retirement, or should it be withdrawn for certain reasons, it reverts to the State. The new holder is obliged to take over from his predecessor, or his heirs, the stock and fittings of the business; should both parties fail to agree as to the value of these, an official assessment will be made by the authorities. On the death of the holder of a concession, his widow will be permitted to have the pharmacy managed on her behalf so long as she does not remarry; or, if he has died leaving children under age, the business may be managed until they are of age. One public pharmacy may be opened in any place with a population under 8,000 inhabitants, and for every 5,000 persons above this number another pharmacy is permitted. In places with less than 2,000 inhabitants a public pharmacy may only be opened provided it can be proved that the volume of business will provide the holder of the concession with the means to live. In places already possessing one public pharmacy, a second business can be opened only at a distance of at least 300 metres from the existing pharmacy. In places with more than 10,000 inhabitants, the State, parish, or institutional pharmacies are not to be taken into consideration when deciding upon the creation of a fresh concession. Another clause of great importance provides that, should the Minister of Health consider it advisable to create a public pharmacy in some parish, and there is no suitable applicant for the concession, the Minister may compel the parish in question to undertake itself the creation of a parish pharmacy, in certain conditions with the aid of a State subsidy. With regard to the future position of the existing pharmacies, the Bill provides that the rights of the existing owners of privileged pharmacies shall remain untouched for a period of forty years from the passage of this Bill by the National Assembly; that is to say, these businesses may be freely sold, but at the end of the period of grace of forty years the privilege will be cancelled, without any compensation to the then owner of the business. By this it will be seen that the Czecho-slovak Government does not recognise the right to in-demnify the holders of this class of historic business, whose claim is based on the charter granted as an act of grace by some former ruler in days gone by. other hand, the very interesting proviso is included that the present holders of concessions, who under the existing laws are not permitted to dispose of their businesses, will, within a period of twenty years from the enactment of this proposed law, be allowed to transfer their title to the pharmacy to another pharmacist.

#### PRIVATE PHARMACIES

In places where there is no public pharmacy the resident medical practitioner (and also the veterinary surgeons, but only for the treatment of animals) may be permitted to keep a stock of the medicines he may require for the treatment of his patients. However, he is forbidden to employ a pharmacist as his dispenser, and must obtain his supplies from a public pharmacy in the Republic. A sick club, or an association of sick clubs, numbering at least 3,000 members, may be granted the right to maintain a private pharmacy in places with more than 10,000 inhabitants. Should, however, a public pharmacy already exist in the place in question, this right will only be granted provided that, on deducting the number of members of the sick club from the total local population, there remain still 10,000 persons outside the scope of benefits resulting from membership of the sick club. Hospitals, poorhouses, prisons, and similar public institutions, as well as merchant vessels, may possess a private pharmacy. In the case of sick-club

pharmacies the responsible manager must be a fully qualified pharmacist.

It cannot be said that the Bill has found favour in the eyes of the Czechoslovak pharmacists, and a protest meeting, attended by 400 pharmacists, regardless of race and political convictions, has been held in Prague. Members of Parliament were present, as well as representatives of the Ministry of Commerce, the Ministry of Health (which is responsible for the measure), of the Chambers of Commerce and of the Union of Industrial Manufacturers. A resolution was adopted unanimously, in which regret was expressed that so important a measure. affecting an ancient profession of great importance to the State and people, should have been elaborated without consulting such organisations as the pharmaceutical and medical associations, the universities, and chambers of commerce. The Czechoslovak pharmacists protest loudly against the confiscation of their honourably acquired rights, or of property transmitted through generations, and fail to see why they should in this respect be treated like the Habsburgs and other enemies of the Republic. They also protest against the unjust distinction made between individual pharmacists and those belonging to corporations, and in conclusion record their regret that the profession was not given an opportunity to collaborate in the drawing-up of the Bill. In moving the closure of the meeting, the chairman regretted that the author of the measure did not possess suffi-cient courage to attend in order to hear the verdict passed on his work. As heretofore, the supreme control in all matters relating to the profession is placed in the hands of the Minister of Health, while the task of seeing that its provisions are duly complied with is entrusted to the political authorities, including the police. Thus the hopes that the administration of the pharmacy law would be conceded to the profession itself are rudely dashed to the ground, and in this respect the old order, as under Austrian rule, is perpetuated. Indeed, the pharmacist is worse off than before, since the Bill contains a provision to the effect that, in the event of a pharmacist committing a breach of any of the Regulations relating to his professional conduct, he will be dealt with not only by the administrative authorities, as was hitherto the case, but in addition will be amenable to the civil law; and, apart from the penalty inflicted by the former for his professional offence, may be condemned to a further punishment pronounced by the ordinary court of justice. In view of the agitation which has already set in against the proposed measure, it is interest ing to note that its author, in referring to this opposition, held out the threat that, should the pharmacists clamour too loudly, the Government would proceed to introduce the unrestricted exercise of pharmacy, as it exists in the countries of Western Euroge.

#### Coming Events

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, May 8

South-West London Chemists' Association, Westminster School of Pharmacy, 190 Clapham Road, S.W., at 8.30 p.m. Addresses by Messrs. H. Skinner and Thos. Marns, candidates for the Pharmaceutical Council.

Tuesday, May 9
ssociation, Eden's Restaurant, High Street, Ealing Pharmacists' Association, Edat 8.30 p.m. Annual meeting.

Wednesday, May 10

Birmingham Pharmaceutical Association, Ridgways' Café, Corporation Street, at 6.45 p.m. Whist-drive, in aid of Benevolent Fund. Tickets (4s. each) from secretary, Mr. F. Smith 221 Soho Road.

Thames Valley Pharmacists' Association will visit Pears' Soap Works. Members to meet at works, main entrance, at 2.40 p.m. Tea provided. Ladies and friends invited.

Thursday, May 11
Satford Pharmaceutical Association, 40 The Crescent. meeting.

Pharmaceutical Society of Great Britain.—The annual dinner will be held at the Connaught Rooms, Great Queen Street, London, W.C., at 6.45 p.m. Tickets (exclusive of wine) 15s. 6d. each, from the secretary to the Dinner Committee.

#### Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary" 1922, p. 277

(From "The Trade-marks Journal," April 5, 1922.)

"Borson the Children Cure," etc.; for childrain lotion (3).
By Thomson & Co., 99 East Street, Walworth, London,

By Thomson & Co., 99 East Street, Walworth, London, S.E. 17. 421,017.

"HULLABALOO"; for medicinal chemicals (3). By T. H. Harris & Sons, Ltd., 22 Marsh Gate Lane, Stratford, London, E. 15. 421,137. (Associated.)

"GOUTRID" on pyramid-shaped device; for a medicine (3). By W. E. Cane, 10 Gloucester Road, South Kensington, London, S.W. 7. 422,406.

"ARSENOTONE"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 422 531

422,531.
"ZIGULE," "UNITAB," and "ZIGOID"; for medicines (3).
By The Standard Tablet Co., Etd., Hove, Sussex.

422,661/662/665. (Associated.)
"Lungora"; for medicinal chemicals (3). By I. L. Richards, 4 Fox Street, Treharris, Glam. 422,695.
"Sunoxol"; for medicinal chemicals (3). By Manufactures de Produits Chimiques du Nord Etablissements Kuhl-Société Anonyme, Boulevard Haussmann, Paris.

"Codex," for all goods (42); "Wise Head," for goods (42). By Cooper & Co., 8-38 Howard Street, Glasgow. 421,415;

422,014.

"Exalto"; for all goods (42). By Morris & Jones (1919). Ltd., 82 Whitechapel, Liverpool. 422,593. "Tiffin"; for goods (47), and for perfumery, etc. (48). By Wilkie & Soames, Ltd., Tunnel Avenue, East Greenwich, London, S. E. 10. 421,866/867. (Associated.) "DIPLOMAT"; for perfumery, etc. (48). By R. Forsyth, 4 Lathom Villas, Folkestone. 421,730. "Columbine," with picture of same ("Columbine" disclaimed); for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W. 1. 421,288. (Associated.)

Ltd., 24 Old Bond Street, London, W. 1. 421,200. (Associated.)

"RUVOIRE," with device of tree branch; for all goods (48). By A. M. Evans, 154 Church Lane, Harpurhey, Manchester. 421,559. (Associated.)

"LETOID"; for perfumery. etc. (48). By A. T. Lee, 288 London Road, Sheffield. 422,335.

"QUESTOL"; for a hair dye (48). By A. E. Barry, 24 George Street, Kingston-upon-Hull. 422,855.

(From "The Trade-marks Journal," April 12, 1922.)

"APEM": for all goods (1), (8) and (39). By Amalgamated Photographic Manufacturers, Ltd., 3 Soho Square, London, W. 1. 419,775/776/778. (Associated.)

"Orchard Brand" on apple shape bearing picture of tree; for chemicals (1), medicinal chemicals (3), and for perfumery, etc. (48). By J. W. Bracewell, Orchard Mill, Railway Street, Ramsbottom, Lancs. 422,274/275/276. (Associated.)

Railway Street, Kamsdottom, Lances (Associated.)

(Associated.)

"Naphtochrome"; for all goods (1) and (4). "Tokagene"; for an oxytocic (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland, 422,725/726 (Associated); 419,350.

"Mannequin": for dyes (1 and 4). By Wm. Edge & Sons, Ltd., 50 Raphael Street, Bolton. 423,283/284. (Associated.)

nt, Big

"SUN POKER": for medicinal chemicals (3). By C. Breeze, 151 Plaistow Road, West Ham, London, E. 15. 421,327. "SHIRLEY'S NEURALGIC CRYSTAL," etc., on label with facsimile signature; for a neuralgia remedy (3). By the Chemists' Manufacturing Co. Ltd., 123 Newington Causeway, London, S.E. 1. B 421,414. "FERROZONE"; for medicinal chemicals (3). By Ashton & Parsons, Ltd., La Belle Sauvage, Ludgate Hill, London, E.C. 4. 422,318. "MINARET"; for medicinal chemicals (3). By Bleasdale, Ltd., 23 Colliergate, York. 422,516. (Associated.) "PYVIDOL"; for medicinal chemicals (3). By A. E. Brown, Kavanagh Lodge, Kavanagh Road, Brentwood, Essex. 422,607.

422,607.
"PURTINE"; for turpentine substitutes (4). By N. B. Davis,

"PURTINE"; for turpentine substitutes (4). By N. B. Davis, 55 Market Street, Manchester. 422,859.
"Healthene," etc., on label device; for a beverage preparation (42). By the Scottish Co-operative Wholesale Society, Ltd., 95 Morrison Street, Glasgow. 417.842.
"VITAMINT"; for chewing-gum (42). By T. B. Wagner, 160 Columbia Heights, Brooklyn, New York, U.S.A. 492 675

422,675.
"Livint": for all goods (47). By J. Greaves & Co., 11 and 13 Ridgefield, Manchester. 418,221. (Associated.)

"Velvola"; for toilet cream, powder, and soap (48). By H. H. Hart, Man of Ross House, High Street, Ross, Herefordshire. B 419,113.

"Dionisa"; for face lotion for toilet use. (48). By M. Paillard, 217 London Road, Twickenham. 421,481.

"Ivorex"; for all goods (48). By P. S. Fox, 178 West Road, Southend-on-Sea. 421,955.

"Dentifruit"; for tooth paste (48). By Dentifruit, Inc., 1102 South Wabash Avenuc, Chicago, U.S.A. 423,428.

"Frosto"; for whitening preparations for canvas and leather (50). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury. 422,736.

(From "The Trade-marks Journal," April 19, 1922.)

(From "The Trade-marks Journal," April 19, 1922.)

"AUTOCAP" on diamond shape; for chemicals (1). By W. G. Watkins and J. W. Whitaker, 8 Joyce Avenue, Sherwood, Nottingham. 421,760. (Associated.)

"HERVEA"; for medicinal chemicals (3). By C. Longman, 144 Albany Street, London, N.W. 1. 421,853.

"CONTRAMINE"; for medicinal chemicals (3). By The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, N. 1. 422,175.

"GARGO"; for medicines (3). By I. Popham, 24 Burnt Ash Road, Lee, S.E., and H. A. Hunt, 11 Park Croft Road, Lee, S.E. 422,377.

"ZIGSAN"; for medicines (3). By the Standard Tablet Co.

Road, Lee, S.E. 422,377.

"ZIGSAN": for medicines (3). By the Standard Tablet Co..
Ltd., Hove, Sussex. 422,588. (Associated.)

"ALGOLANE" and "EPARSENO"; for medicinal chemicals
(3). By Les Etablissements Poulenc Frères, 92 rue
Vieille-du-Temple, Paris. 422,652/653.

"RUDOK"; for a medicine (3). By Rudok, Ltd., 9 Walbrook, London, E.C. 4. 422,692.

"LIONEL BRAND" with picture of lion (letter "L" disclaimed); for surgical rubber goods (11). By the London
Rubber Co., 183 Aldersgate Street, London, E.C. 1.
422,173. 422,173.

422,173.

"METAGEN"; for goods (42). By Parke, Davis & Co., 50 Beak Street, London, W. 1, 420,838.

"Exorno"; for perfumery, etc. (48). By F. Borer, 14 New Oxford Street, London, W.C. 1, 421,956.

"Setagène"; for hair-washes, etc. (48). By Eugène, Ltd., 23 Grafton Street, London, W. 1, 422,551.

"Vyollol"; for toilet preparations (48). By Carmol, Ltd., 181 High Street, Blackheath, Staffordshire, 422,936.

(From "The Trade-marks Journal," April 26, 1922.)

"MAYQUEEN': for a straw-hat varnish (1). By Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

Saunders & Co., Ltd., 34 Hanover Street, Liverpool. 422,901.

"Sanoram"; for a disinfectant tablet (2), By La Biothérapie, 3 Rue Maublanc, Paris. 421,127.

"Aspochin"; for medicinal chemicals (3). By Dr. H. Goldschmidt, 13 Bellevuestrasse, Berlin, W. 9. 419,265.

"Dr. King's Dandelion and Quinine Bilious and Liver Pills" on circular label over faosimile signature "John King"; for pills (3). By J. Rorke & Co., 139 London Road, Kingston-on-Thames. 420,309.

"Salvangela"; for ointment (3). By N. Wolkoff, 26 Gledhow Gardens, London, S.W. 5. 422,026.

"Make U Well." on label device, including pointing finger ("Make U Well" disclaimed); for a herbal medicine (3). By D. Fitzpatrick, 99 Blackburn Street, Radcliffe, near Manchester. 420,700.

(3). By D. Fitzpatrick, 99 Blackburn Street, Radcliffe, near Manchester, 420,700.

Device of winged beast; for a hair preparation (3). By J. Morgan Richards & Sons, Ltd., 46-47 Holborn Viaduct, London. E.C. 1, 422,507

"Netrease"; for a medicine (3). By J. P. Taylor, 178 Dalton Road, Barrow-in-Furness, 423,543.

"Colivatel"; for medicinal chemicals (3). By E. D. Newbegin, 53 Gap Road, Wimbledon, S.W. 19, 423,726.

"Wardle Cotton Co., Ltd., Rydines Mill, Buckley Lane, Wardle, Rochdale, 422,841. (Associated.)

"Crabene"; for a disinfectant locket (14). By C. W. Crabbe, 31 Seedley Road, Pendleton, near Manchester, 420,635.

420,635.

"GLOMA": for malt extract (42). By A. Wander, Ltd.,
45 Cowcross Street, London, E.C. 1. 421,713.

1. Contain preparations (48). By C. F. East.

"Creamoline": for hair preparations (48). By C. F. East. 5 Southampton Row. London, W.C. 1. 421,621. "Le Cyene": for perfumery, etc. (48). By Swan & Edgar. Ltd., 9-15 Piccadilly, London, W. 1. 421,753.

Auto-suggestion?—After a prisoner in a recent London police-court case had pleaded "Guilty" to a charge of unlawfully possessing cocaine, and had been remanded, the official analysis of the powder found on him gave a negative result, and he was discharged.

#### Trade Report

The prices given in this section are those obtained by importers or majufacturers for bulk quantities or original packajes. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

#### 42 Cannon Street. E C 4. May 4

TRADING in Mincing Lane produce does not show any expansion, and so far as crude drugs are concerned the inquiry is for small parcels only. The fact that no Budget alteration was made in the sugar duty has given rise to great disappointment among Mincing Lane dealers, who had fully anticipated a reduction. Manufacturing consumers had held off the market for several weeks past, and had the duty been reduced an advance in the price of sugar would probably have taken place as the result of a replenishment of stocks. The mineral-water trade will therefore continue to be handicapped by the table-water duties, and, as many of the smaller firms have a struggle to exist, surprise is expressed that a nuchneeded reduction in taxation has not been forthcoming. The few changes in market values include an easier feeling in menthol. Japanese refined slab camphor is easy. Norwegian cod-liver oil is quiet and rather cheaper in some quarters. Balsam Peru, although cheaper in America, is still higher than the spot parity. Common natural liquorice root is still scarce. Cocoa butter is easier, and the duty is to be reduced by 1½d, per lb. Cubebs are cheaper.

Higher Firmer Easier Lower			
	Higher	Lower	Easier
Pyridine Soya-bean oil Turpentine White and red lead red lead  Peppers Phenolphthalein  Phenolphthalein  Phenolphthalein  Phenolphthalein  Phenolphthalein  Phenolphthalein  Phenolphthalein  Sallphate Cubebs Menthol Resorcin Resorcin Shellac Soda diethylbarb, Petitsrain oil Pitch Saltp.etre	Cottonseed oil Lead oxide Linseed oil Pyridine Soya-bean oil Turpentine White and	teaf Benzols caffeine (Teng. makers Calcium lactate Cocoa butter Hen yolk Naphtha sol /ent) Petitsram oil Piten Salt, etre (English) Terpene	Cinnamon-leaf oil (Cey.) Cod-liver oil Cubebs Menthol Phenacetin Resorcin Shellae Soda diethyl-

#### Cablegrams

New York, May 2.—Business is fair. Mercurials are dearer, calomel having been advanced to 94c., corrosive sublimate powder to 76c., red precipitate powder to \$1.13, and white precipitate powder to \$1.23 per lb. Curaçac alocs is lower at 7c. Mexican sarsaparilla is cheaper, offering at 41c. Balsam peru has declined to \$2.75 per lb., and Orcgon balsam of fir to \$1.20 per American gallon.

Bergen, May 3.—The total catch of cod for the whole of Norway since the opening of the season amounts to 33,700,000, against 33,700,000 for the corresponding week of last year, and the yield of steam-refined medicinal oil is 60,665 hectolitres, against 51,808 hectolitres for the same period of 1921. The market for finest new non-freezing medicinal oil is dull and easier at 112s. to 115s. per barrel c.i.f. U.K. ports.

#### Crude Drugs etc.

Anise (star).—No supplies appear to be available; the last price paid on the spot was 64s, per cwt. To arrive

60s. 6d. c.i.f. is quoted.

Antimony.—Chinese crude to arrive is worth £14 per ton, but about £14 10s. to £15 is asked for small spot lots. Foreign regulus is dull but steady at £24 on the spot, although there are sellers at £23 c.i.f. English refined in retail lots is held for £33 to £35, according to brand, but purchases of good lines can be had down to £29 10s. During last year the United States imported over 10.000 tons, against 11,800 tons in 1920.

Balsam Peru.—Some parcels of a low cinname on content have been cleared. Genuine of B.P. quality is 9s. 3d. to 9s. 6d. per lb., which is lower than import cost, \$2.75 (say 12s. 6d.).

Belladonna root.—Foreign is offered at 45s. per cwt.

c.i.f.

Camphor (crude) is steady, with spot sales at 3s. 3d. per lb., and for May-June shipment 2s.  $10\frac{1}{2}$ d. per lb. c.i.f. is quoted.

Camphor (Refined) continues quiet, Japanese 2½-lb. slabs offering at 3s. 6d. per lb. on the spot, and May-June shipment has been sold at 3s. 3½d. c.i.f. Spot sellers quote ¼-oz. tablets at 4s. 5d.

Cantharides.—Chinese are firm and unchanged at from 4s. 6d. to 5s. per lb. on the spot; to arrive 4s. 3d. c.i.f. is quoted.

CHAMOMILES in limited quantity can be had at 300s, per cwt. for good white Belgian of the 1919 crop, and at 400s, for the 1921 crop.

COCOA BUTTER is easier, prime English offering at 1s.  $7\frac{1}{2}d$ . per lb. ex works in not less than one-ton lots. The import duty is to be reduced from  $4\frac{1}{2}d$ . to 3d. per lb.

Cod-Liver Oil.—Our Bergen correspondent writes on April 29 that the codfishing at Lofoten is now finished, with an output of 12,900,000 cod and a yield of 27,692 hectolitres of oil, against 18,600,000 and 29,500 hectolitres in 1921. The Finmarken fishery is developing with a fair result; up to April 22 two millions of cod had been caught, against 1,200,000 in 1921. The total output of all the Norwegian codfisheries in comparison with that of the previous years is as follows:

				Yield of steam-	Livers for
			Catch of	refined cod-	crude oil
			$\operatorname{cod}$	liver oil (hect.)	(hect.)
Го	April	22 1922	31.000.000	57,378	9.594
	,,	23. 1921	32-199-000	50-283	7.884
	22	24, 1920	30 223 000	45 263	4.558
	,,	26. 1919	17-208-000	22.751	2.118
	,,	27, 1918	17,869,000	15,721	2,672

The market continues quiet, and the price for non-freczing steam-refined quality is declining, small lots having lately sold at about 112s. to 116s. per barrel c.i.f. London. Agents in London report the market as quiet, and quote at 110s, per barrel c.i.f. U.K., the spot value being about 117s. 6d.

A Reuter's telegram from Christiania, dated May 1, states that, according to reports from Trondbjem, experienced fishermen declare that such great masses of eod as are now assembled off the Finmarken coast have not been found for the past thirty-five years. Activity in fishing stations is unprecedented. Vessels are constantly arriving fully laden. The price is 20 ore per kilo. for eod and 21 ore per litre for liver.

CUBEBS are casier, with good quality offering at from £14 10s, to £15 per cwt.

Ergor is steady, Russian offering to arrive at 4s. per lb.

c.i.f., and on the spot 4s. 3d. is quoted.
Grindelia robusta is offered at 11d. per lb. on the

Hen-yolk is lower, with spot schlers of Chincse (2 per cent. boric acid) at 140s. per cwt., afloat at 130s., and May-June shipment at 95s. c.i.f. Dried yolk is offered at  $5\frac{3}{4}$ d. per lb., spray whole egg is  $6\frac{1}{2}$ d., and native dried whole is  $3\frac{1}{2}$ d, per lb., all spot. Prime Chinese hen-albumen on spot is 2s. 10d per lb., and fer May-July shipment 2s. 7d. per lb. c.i.f. is quoted.

Hydrastis is steady, with spot sellers at from 17s. 3d. to 17s. 6d. ner lb., as to quality. (See note on page 72 regarding the outlook.)

JUNIPER BERRIES.—Italian offer at about 16s, per cwt. c.i.f. to arrive.

Liquorice root.—Common natural is quoted up to 32s. 6d. per cwt., and cut decorticated at 110s. on the spot. To arrive who'c decorticated is offered at 95s. c.i.f.

Lobelia is quoted at from 9½d, to 10d. per lb. for loose

therb on the spot.

Lycopopium has been selling on the spot at from 4s. 9d. to 5s. per lb. for double-sifted.

Menthol is a little easier at 24s. 3d. per lb. on the

spot for Kobayashi-Suzuki. On e.i.f. terms sales have

been made at 21s. 9d. per lb.

MERCURY has been distinctly firmer, although inclined to fluctuate. At the close of last week some dealers were asking £11 to £11 5s. per bottle, according to description. On Tuesday this week the market was called £10 10s. to £11 2s. 6d. The home demand has remained quiet, while the greater part of the business has been for export. Some few parcels were lately taken for China.

QUINCE SEED has been entirely wanting for some time past, and there are no forward offers to be had from the

Cape.

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RHUBARB remains firm, and sellers refuse to do business in High-dried at under their limits.

SAFFRON.—The high prices asked have been responsible for restricting the demand. Small sales have been made on the spot of fair Valencia at about 98s. 6d. per b., which is still quoted, although higher prices are being asked. The equivalent of 130s. per lb. is wanted in Spain for finest Valencia.

SENEGA.—The demand is slow, holders quoting from

5s. 3d. to 5s.  $4\frac{1}{2}$ d. per lb., as to quality.

SERPENTARY ROOT is offered at from 5s. to 5s. 3d. per lb.

on the spot.

Shellac has been quiet throughout, usual standard TN Orange quality closing at 380s. per cwt.; fine seeond is 20s. lower at 410s., superfine is 440s., RL1 440s., AC cakey 325s., and GAL 500s. May futures have declined fully 15s. per cwt., selling at 565s.; August has been sold at 352s. 6d. to 350s. To arrive May-June shipment of TN is quoted at 340s. c.i.f.

STARCH PRODUCTS.—Favina is steady, the value of Japanese No. 1 for April-June shipment being 32s. per cwt. c.i.f. Dutch favina on the spot is now 35s. per cwt. Dutch farina on the spot is now 35s. per cwt. and April-May shipment 33s. 6d. c.i.f. Sellers of pure English rice starch crystals quote £36 per ton, and Continental at £33. Maize starch powder is 13s. 6d. per cwt. on the spot.

TURMERIC.—Madras finger is quoted at 25s. and Bengal at 19s. per cwt. on the spot.

#### Seeds and Spices, etc.

CHILLIES.—For new erop Mombasa just arrived 175s. per cwt. is asked for good bright.

Cloves are quiet, with spot sellers of fair Zanzibar at from 1s. 2½d. per lb. To arrive, May-July has buyers at 1s. 1½d. e.i.f.

COCONUT (DESICCATED) remains firm, with fine and medium Ceylon selling at 42s. 6d. to 43s. on the spot; May-June shipment has been sold at 40s. 6d. e.i.f., and June-July shipment at 39s. 9d. to 40s. e.i.f.

GINGER is quiet, good Cochin offering at 57s. 6d., washed rough at 55s., and wormy at 50s. Jamaica is 160s. to

165s. for lean Rhatoon.

PEPPER is firmer, with spot sales of fair black Singapore at 4d. per lb. Lampong is  $4\frac{2}{3}d.$ , Tellicherry  $4\frac{1}{2}d.$  to  $4\frac{2}{3}d.$ , and Aleppy  $4\frac{1}{3}d.$  per lb., all spot. To arrive, fair Singapore for May-July and June-August shipment has sellers at  $3\frac{1}{3}d.$  per lb. e.i.f. d.w. Tellicherry to arrive is 41s. 6d. c.i.f., and Aleppy 40s. e.i.f. White pepper is steady, with sellers at  $7\frac{1}{2}d.$  for fair Muntok on the spot: April-June and May-July shipment is offered at spot; April-June and May-July shipment is offered at 7.7d e.i.f. White Singapore on the spot is quoted at 7d., and May-July at 611d. c.i.f.

PIMENTO is quiet, with spot sellers at  $2\frac{3}{16}$ d. per lb. Seeds.—Prices are as given in our last week's issue.

#### Essential Oils

Business is fair in some articles. Star anise continues to advance, and there is a steady demand for cassia. Caraway is firmer, and Cochin lemongrass shows signs of improvement. Ceylon citronella has again been in request; prices meantime remain steady. Patchouli is unchanged; there has been a small inquiry. Paraguayan petiterain is difficult to move, and prices have declined. Among the aromatic chemicals there appears to be only a retail demand, with keen competition for business.

The imports into and re-exports of essential oils from the United Kingdom for March 1922, compared with the same month in 1921 and 1920, were as follows:

1920 1921 1920 1921 1922 302.040 ... 166.891 ... 230.968 £204.062 ... £41.406 ... £52.101 100.718 ... 33.452 ... 87.434 £58.670 ... £16.123 ... £49.921 March Imports in lbs. ", ", value ...
", Re-exports in lbs. ... ,, ,, value...

Anise (STAR) .- "Red Ship" is dearer on the spot at from 2s. 1d. to 2s. 2d. per lb., as to seller. Only small lots offer at the lower figure. Fair sales have been made at 2s. 1d. to 2s.  $1\frac{1}{2}$ d. Last business reported done for shipment was 2s.  $1\frac{1}{2}$ d. c.i.f.; higher quotations are current.

Bergamor.—On the spot there are scllers at from 17s. 6d. to 19s. per lb. for 37 to 39 l.a. Prices to come forward (c.i.f.) have about the same range.

CAJUPUT.—Sales have been made at 3s. per lb., which, it is stated, does not meet replacement value. Actual spot should fetch 3s. 3d. per lb.

CAMPHOR.—White, essential, is easier at 85s. per cwt...

at which spot sales have been made.

CARAWAY.—Dutch is firmer at from 8s, 6d, to 9s. per lb. for double rectified. A little may be had at 8s, 3d. Large business is reported done. Crude may be obtained at 6d. a lb. tess.

Cassia.—Fair sales of 80 to 85 c.a. have been made for goods landing at 5s. 41d. For actual spot 5s. 6d. to 5s. 9d. is quoted. An arrival of 50 cases was announced on April 27.

CEDARWOOD.—American is steady at 1s. 7d. to 1s. 8d. per lb. for drums; cases at 1d. per lb. extra.

CINNAMON LEAF.—Ceylon is nominal at 53d. per oz. spot. The price to come forward is easier at 4<sup>1</sup>/<sub>4</sub>d. c.i.f. May-June shipment.

CITRONELLA.—Ceylon has been in demand at 1s. 10½d. per lb. paid. Holders quote 1s. 10½d. to 1s. 11d, for spot. Estate quality is 2s. 1d. spot. Burmese in quantity is obtainable at 2s. 10d. to 2s. 11d. Java is unehanged at 2s. 11d. to 2s.  $11\frac{1}{2}$ d.

CLOVE.—English distilled is quoted at from 8s. 6d. to 8s. 9d. per lb. Indian distilled is offered at about the same figures. The "City of Cairo" has brought 18 cases from Madras.

CORIANDER.—Spot sales have been made at 35s. per lb.; some holders quote up to 40s. and beyond.

Dill.—East Indian distillate is offered on the spot at 13s. per lb. for quantity.

EUCALYPTUS.—Spot demand is fair; prices are unchanged at 1s. 5½d. to 1s. 7d. per lb., for 70 to 75 per eent, eincol

and upwards. GERANIUM.—Bourbon is very firm at about 23s. per 1b., spot. Reports from Algeria state that the yield of the recent erop (12,000 kilos.) has not come up to expecta-

tions. Spot sales of Algerian have been made at 25s. and up to 27s. is still asked, according to quantity. Lemon.—Sicilian is about steady at from 3s. 3d. to 3s. 6d. per lb., according to seller, on the spot. For shipment, prices are steady at 3s. 5d. to 3s. 6d. e.i.f. During the past week arrivals of over 300 cases have

been notified.

Lemongrass.—Cochia is firmer; only a little is offered at  $2\frac{3}{4}$ d. per oz.;  $2\frac{7}{5}$ d. is now about the spot value. For shipment this month 23d. e.i.f. is quoted; July-September,

Lime.—Distilled is unchanged at from 2s. 3d. to 2s.  $4\frac{1}{2}$ d. per lb.; some holders expect that the higher figure will become general. Hand-pressed is dull, and 12s. would

MANDARIN.—Spot offers are made at from 18s. 6d. to 20s. per lb., according to holder.

Mint.—Japanese dementholised Kobayashi-Suzuki is unchanged at 5s. 3d. to 5s. 4½d. per lb. spot and 4s. 8d. c.i.f. to come forward.

to 15s, per lb, spot. The price for shipment is 13s. to 15s. c.i.f.

OTTO OF ROSE, valued at £2,200, has arrived from Bulgaria.

PATCHOULI.—For Singapore oil, in quantity, 37s. 6d.

per lb. is wanted, spot. Mysore is not quoted below 42s. 6d.

Perpermint.—American tin oil is steady at from 9s. to 9s. 3d. per lb. spot. The price to come forward is 8s. 9d.

Petitgrain.—Paraguayan has been reduced on spot, holders now quoting from 8s. to 8s. 3d. per lb. according to quantity.

SASSAFRAS.—The spot quotation for genuine American is unchanged at 6s. per lb., but some holders are shading.

Spike.—French oil is offered at 6s. per lb., which can be shaded in some quarters for quantity.

VETIVERT.—Bourbon is not in much demand and barely steady at about 20s. per lb.

#### Aromatic and Synthetic Chemicals, etc.

AUBEPINE is quoted at 10s. 6d. to 12s. 6d. per lb. as to quality. Benzyl acetate is offered at 3s. per lb., and BENZYL BENZOATE at 2s. 6d. For BROMSTYROL 8s. to 9s. is asked. Benzaldehyde f.f.c. is 2s.  $7\frac{1}{2}d$ , to 2s. 9d. (cwt. lots) and 2s. with traces of chlorine. Coumarin is offered at about 11s. 6d. per lb. For Heliotropine holders quote 6s. 6d. to 8s, per lb. Methyl salicylate is steady at 2s. 3d. to 2s. 4d. Musks.—Amerette is offered at from 70s. to 80s. per lb.; ketone at 50s. to 52s.; xylol at from 12s. to 12s. 9d. according to seller. Phenylethyl alcohol is 20s. to 24s. for good quality. Safrol, discoloured, is offered at 2s. 9d.; usual quality is 3s. 2d. to 3s. 3d. Ter-PINEOL is offered at various prices, 2s. to 2s. 3d. per lb. being about the average. Thymol ex ajowan is offered at 20s. 6d. per lb. and 19s. 6d. c.i.f. to arrive. The quotation for Vanillin is 37s. 6d. The above are for spot except otherwise mentioned.

#### Pharmaceutical Chemicals, etc.

Business is reported as showing a slight improvement, and a few articles are firmer on the week. There are also one or two cheaper prices, including barbitone, phenacetin, terpene hydrate, and calcium lactate. Bromides are quite brisk and somewhat dearer.

ACETANILIDE has been in fair demand and is now steady

at 1s. 4d. upwards per lb.

AMIDOPYRIN is seldom asked for and is unchanged at

17s. per lb.

Ammonium benzoate remains neglected, with offers at 4s. per lb.

Aspirin is well held on spot at about 3s. per lb. One

or two lots may still be had at 2s. 11d.

Barbitone is at much cheaper figures—now offered at 10s. 6d. per lb.

Benzoic acid is maintained at 1s. 6d. per lb. on a dull market.

Benzonaphthol is quoted at about 6s. per lb., but it would be difficult to find buyers at that price.

Betanaphthol.—Resublimed is still unwanted and is

offered easy at 2s. 6d. pcr lb.

Bromides.—A good business has been done and spot supplies are not very large. Values are firmer. Ammonium has advanced to about  $11\frac{1}{2}d$ . per lb. Potassium, crystals and granular is firm at  $9\frac{1}{2}d$ . to  $10\frac{1}{2}d$ . pcr lb., and sodium at 9½d. to 10½d. per lb. German make cannot be replaced at these prices

CAFFEINE.—English makers' prices have been reduced to

16s. per lb.

Calcium lactate has eased off in buyers' favour to 2s. to 2s. 3d. per lb. The higher price is for best quality.

CHLORAL HYDRATE is held at 5s. per lb. for duty-paid,

but there is not much demand.

CITRIC ACID remains in good demand, and the lowest price is now 2s. 2d. per lb. from dealers, with some quoting 2s. 3d.; forward prices are slightly cheaper than

the foregoing.

Cocaine.—The Dutch makers are again asking a higher

price, but probably small lots of hydrochloride can be had at from 12s. 9d. to 13s. per oz. ex works.

Codeine.—Makers' quotations are unchanged at 14s. per oz. for pure crystals, 10s. 6d. for phosphate, and 11s. 9d. for hydrochlor, and sulphate.

CREOSOTE, B.P., is still slow to move at the quoted price

of 3s. per lb.

CREOSOTE CARBONATE on spot is slack and easy at about 10s. 3d. per lb.

GUAIACOL CARBONATE is maintained at about 9s. 3d. per lb., but there are very few buyers.

HEXAMINE is steady but slow to move at 3s. 6d. per lb. IRON PERCHLORIDE of B.P. quality can be had at 45s. per cwt, on the spot from importers.

IRON SULPHATE is offered at about 15s. per cwt. for B.P. quality.

Mercurials.—Imported calomel is quoted at 4s. 6d. and corrosive sublimate at about 4s. 3d. per lb.

METHYL SULPHONAL is still slack and is unchanged at 16s.

MILK SUGAR is firm at 110s. per cwt. for ton lots of Dutch powdered, prices ranging up to 120s., as to quality. American makers have disposed of their output for several months ahead.

MORPHINE. - Makers' prices are unchanged on the basis of 8s. per oz. for hydrochloride powder and 8s. 3d. for crystals.

Paraformaldehyde on the spot is now quoted at about 3s. 3d. to 3s. 6d. per lb.

Paraldehyde remains slack and unsteady at about 1s. 6d. per lb.

Phenacetin has eased off a shade and is now offered on spot at 5s. 3d. per lb.

PHENAZONE is easy at from 7s. 3d. to 7s. 6d. per lb. for spot parcels.

Phenolphthalein is decidedly firmer, as most of the cheaper priced parcels have been cleared; sales have been made at between 3s. 6d. to 3s. 9d. per lb., market closing firm at the latter price, with the expectation that 4s. will be reached.

Potassium permanganate, B.P., on spot is offered round about 10d, per lb., and there has been a fair demand.

Quinine.—Second-hands are firmer at from 2s. 10d. to 2s. 10½d. per oz. for sulphate, as some of the Disposal Board stock has been cleared.

Resording is down to 7s. 3d. per lb. and is quieter.

Salicylic acid has been in fair request, with holders quoting Is. 4d, to 1s. 5d. per lb. for B.P.

Salol remains at 2s. 3d. per lb., with little doing on spot.

SILVER NITRATE.—The price of crystals on May 3 was based on a metal price of 35d. per oz., as follows: In quantities of 50 oz., 2s.  $2\frac{3}{8}d$ . per oz.; 100 oz., 2s.  $1\frac{7}{8}d$ .; 250 oz., 2s.  $1\frac{7}{8}d$ .; 500 oz. 2s.  $0\frac{7}{8}d$ .

Sodium benzoate.—As foreshadowed in our previous issues regarding prices, that benzoate of sodium cannot be replaced at the present low level owing to the considerably increased cost of production, German manufacturers have now fixed their new prices for export at 2s. per lb. f.o.b. Hamburg for snow-white guaranteed pure quality. London spot holders quote small lots 1s. 6d. to 1s. 9d. per lb.

SODIUM DIETHYLBARBITURATE seems unwanted and is offered at very irregular prices—from 15s. to 18s. per lb.

Sodium salicylate is well maintained on spot, with values at-powder, 2s. to 2s. Id.; crystals, 2s. 3d. to 2s. 4d. per lb. A fair business continues.

Sulphonal continues dull on spot at about 15s. per lb. TANNIC ACID.—Leviss is now steady at 3s. 9d. per lb., but the demand has been poor.

TARTARIC ACID has a firmer tendency at from 1s. 33d. to Is. 4d. per lb. from dealers. Some of the English makers have advanced their prices \( \frac{1}{4}d. \) per lb., quoting Is. 4d. for crystals and Is. 4\( \frac{1}{2}d. \) for powder.

TERPENE HYDRATE is much cheaper and is freely offered

on spot at 2s. per lb.

PHOTOGRAPHIC CHEMICALS.—With the opening of the season there has been a little improvement in demand all round, and the prices quoted are steady. Metol is steady at about 14s. to 15s. per lb. for good quantities. Hydroquinone is at about 4s. 6d. to 5s. per lb. and in some demand. Sodium Sulphite, recryst., 21s. per cwt. Pyrogallic acid crystals are quoted at 6s. 3d. per lb., and resublimed at 7s. 9d. to 8s. per lb. Potassium

METABISULPHITE is steady at 9d. per lb. Potassium ferri-CYANIDE is scarce, and a few isolated lots are available at 4s. 3d. to 4s. 6d. per lb. Hypo Pea crystals are firm at £19 10s. to £20 per ton in 1-cwt. kegs. Magnesium rowder is offering at 6s. per lb.

#### Industrial Chemicals, etc.

London, May 3. Very little change has taken place in the market for industrial chemicals. Business is reported as still being on the quiet side, but a certain amount of export is being done. Prices are being steadily maintained, especially for those products for which there is a fair demand.

ACETIC ACID on the spot seems to be likely to ease off slightly, but so far spot prices are about the same as last week, and there has been a fair demand. 80 per cent. technical, £43; 80 pure cent. pure, £44; 98 per cent. glacial, £58 per ton, in casks and demijohns.

ACETONE remains dull on spot, with small stocks offering at about £70 per ton in drums for British Government specification.

ALUM has not improved in demand, with imported quoted at about £13 per ton. British is slightly dearer.

AMMONIUM MURIATE continues in good demand, and spot sales have been effected in the region of 32s. per cwt. ARSENIC is quite steady, despite the continued limited

demand, while the quantities actually available of white Cornish are said to be restricted. Quotations range from £37 to £39 per ton for Cornish delivered London. Arrivals from abroad are small.

BLANC FIXE is steady and unaltered at about £22 per

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Bleaching powder (35-37 per cent.) is slow of sale, with Continental available at about £13 per ton cx wharf.

British is somewhat higher.

COPPER SULPHATE is somewhat firmer, with quite a fair export demand on the basis of about £27 to £27 10s. per ton f.o.b. Liverpool, for casks, less 5 per cent. Lancashire makers do not seem quite so keen in taking orders at much below £27 10s., and this is indicative of the increased amount of export business reported of late. Makers generally seem a little more disposed to increase production, and this has been reflected in a better demand for bar copper, for which Italian makers are again inquiring.

CREAM OF TARTAR.—The position is unaltered from last week; forward quotations of foreign are round about 100s. per cwt. for B.P., and spot is around 116s.

upwards.

Epsom salt.—Commercial quality continues in good supply, with spot offering at cheap rates—about £6 10s.

FORMALDEHYDE (40 per cent. volume) is maintained at \$69 per ton, but there is little demand for the few lots about.

GLAUBER'S SALT.—Commercial quality remains weak and dull at the nominal figure of £5 10s. per ton in single

LEAD PRODUCTS.—Owing to the recent sharp rise in the price of pig lead, home official prices both for lead oxide and white lead were revised, an all-round advance of £2 a ton having been enforced. Current quotations stand thus :- Litharge and red lead for home consumption or export, £35 10s. up to £38 according to quantity; white lead in oil, £46 15s. to £50 5s. f.o.b. for export, according to quantity; and dry white lead, £39 10s. a ton f.o.b. Prior to the advance the demand was generally better, but it has since slackened off, while the price of pig lead has fallen back a good bit from the highest seen lately.

Oxalic acid is steady at about 82d. per lb., but in no

great demand.

Potassium bichromate stands steady at the recently reduced figure of 64d. per lb., but is in little demand.

Potassium chlorate on quotation averages 4½d. per lb., but there may be isolated lots a point lower.

Potassium prussiate is very steady at 1s. 2d. per lb. on spot, with not too much about.

SAL AMMONIAC continues in good demand, with spot supplies limited. Dog-tooth crystals, about 53s.; mediumsized crystals, 50s.; and fine white crystals, about 34s. per cwt. for imported.

Saltcake.—The nominal value is £5 to £6 per ton, with no buyers at those figures; cheaper offers being made.

Saltpetre.—The English refiners of Bengal saltpetre

lave reduced their prices by 2s. per cwt.
Soda ash (58 per cent. light alkali) continues quite steady but in no great demand on spot. London, £10 per ton; Manchester and the North, £8 10s. to £9 per ton: Makers' price to home users on contract is £8 7s. 6d. per

SODA CAUSTIC on spot stands very steady, although the market has been far from active: 70 to 72 per cent., £23 10s., 76 to 77 per cent., £25 10s., per ton, ex wharf, shipping port. Makers quote to home users on contract at, 70 to 72 per cent., £22 10s.; 76 to 77 per cent., £24 10s. per ton. American 76 per cent. selling on Continent at competitive figures.

Soda Crystals from makers for home trade only, and on spot, are quoted at about £6 per ton, makers quoting

carriage paid to destination in bags.

Sodium acetate on spot is still at £25 per ton, but may be going lower; makers' price is also at that figure. This product is not now liable to the key duty.

SODIUM BICARBONATE on spot is rather unsteady at £11 5s. per ton; makers selling for home use at about

£11 per ton carriage paid.

SODIUM BICHROMATE is steady at the unchanged figure

of  $5\frac{1}{4}$ d. per lb., but the demand is still light.

SODIUM CHLORATE has a better tone, although the demand has been small; quoted at about 31d. per lb., with some isolated lots perhaps cheaper.

SODIUM HYPOSULPHITE on spot is well maintained at about £19 10s. to £20 per ton for pea crystals in 1-cwt. kegs. Commercial quality is at about £14. Makers here are selling photographic at about £18 10s. per ton.

Sodium nitrate holds very steady at £15 5s. per ton

for 96 per cent, refined material.

Sodium prussiate from makers and on spot is steady at 9d. per lb., and there has been a little call on the

ZINC OXIDE.—Demand has been fairly active, and some of the makers talk of stiffening their quotations a little in view of the recent rise in the cost of zinc metal due to the much better consumption. Prices range from £35 10s. to £39 per ton, according to grade, delivered free on rail. The demand from rubber manufacturers has been picking up of late, and somewhat better exports have been made.

COAL-TAR PRODUCTS, ETC.—PITCH has eased off further in buyers' favour. Other products are fairly steady, but there is no great amount of business on the market at present. ANILINE OIL and SALT remain quite stagnant and nominal at 1s. per lb., packages free. PITCH is slightly easier again this week, and now offered at 70s. per ton. Pure METHYL ALCOHOL has been in small demand only, and quoted at £70 per ton. Cresylic acid is unchanged on the week at: Crude, 1s. 10d.; dark, 95 per cent., 2s. 2d.; pale straw, 97 per cent., 2s. 4d. per gallon, drums extra. Carbolic acid.—Crystals are firm at 53d. per lb. in bulk packing; the tone of the market has improved. CREOSOTE OIL remains steady at 6d. per gallon, barrels free, on a flat market. Pyridine is firm at the higher figure of 6s. per gallon. Anthracene (40 per cent.) is nominal at 7d. per unit per cwt. NAPHTHALENE is unaltered on quotation for all grades. Crude, £5 to £9; crystals. £15; flakes and powder, £16; balls, £25; candles and tablets, £35 per ton, packages free.

#### Fixed Oils, etc.

LINSEED OIL and turpentine again this week have gone to higher figures on spot. Business in these materials has been brisk. Cottonseed oil is also at higher figures. Other products have been rather quieter. ACID OILS .- Coconut is weak on spot at 34s. 9d.; palm-kernel, also at that figure, is unsteady. Holders of groundnut are asking 34s., but there is very little buying. Castor oil is unchanged and firm from Hull mills at: Pharmaceutical, 57s.; first pressings, 52s.; second pressings, 47s., in barrels. Coco-NUT oIL has been quieter on spot, and prices are not so firm: Deodorised, 49s.; Ceylon is easier at 42s.; Cochin, 52s. 6d. Cottonseed oil.—Deodorised is dearer at 51s. and firm; common edible has also advanced to 51s. and

firm; soap-making is up to 45s., and crude has risen to 40s.; this market is much brighter. GROUNDNUT OIL. Deodorised on spot is steady but quiet at 57s., with crude Oriental for shipment offered at 45s. c.i.f. Palm-Kernel oil.—The spot market has been quieter, but values are about the same: Deodorised, 50s.; crude, 41s. Palm oil. -This market is steadier after recent falls in value, but is still rather quiet: Lagos, 35s.; softs are easier at 33s. 9d.; hards, 32s. Rape oil.—Quiet on spot, but maintained at high prices of 56s. 6d. for refined and 49s. for crude. Soap stock groundnut.—None is offered, and price is nominal. Soya-Bean OIL.—Deodorised is up to 48s. on spot, and closes steady; crude Oriental is at about 37s. Linseed oil.—After the recent setback from £43 10s. per ton to about £42 for spot, the market more than recovered the loss, chiefly owing to the dearth of spot oil and an insistent demand. The shipments for April will probably again show up well, being chiefly for America. The tendency has been very irregular, forward positions being at a considerable discount, but sellers are more cautious since the cost of linseed has again advanced on a more active demand, especially on Continental account. Raw, naked, closes on spot at 44s. 3d.; May, 43s.; May-August, 41s.; September-December, 38s. 6d.; Hull, spot, 43s. 6d.; May-August, 40s.; September-December, 37s. 6d. Turrentine.—Prices have fluctuated a little from the highest, but the market being rather in an impoverished state, the spot position looks like remaining very tight for some time yet. The London stocks have fallen to about 9,500 barrels. Very little can be expected to come forward from the Continent at present, and holders of American spirit are hard to deal with, especially in the Northern markets, where parcels are very scarce. Spot closes at 81s.; May, 80s. 6d.; May-June, 74s.; July-December, 59s. 6d. The late forward positions probably show the trend of the market.

LUBRICATING, BURNING, MINERAL OILS, ETC.—Lubricating cils on spot are unchanged, but reports state shippers' prices for crudes may go ligher. Solvent naphthas are cheaper. Other products are unaltered and fairly steady, although the market is still quict. Benzol is lower at 2s. per gallon at works, buyers' packages. Burning oil 25. per gained at works, buyers packages. Details of the remains quoted at level figures on a quiet market: Crude: No 3, 8½d.; No. 2, 8d. per gallon, barrels free. Fuel oil is maintained in price, but the market is flat: 905/10 gravity, £5 per ton; 95) gravity, £7.10. 23 12s. 6d. in bulk. NAPHTHA, after last week's decline in value, is now again easier at 1s. 11d. per ga.lon. Solvent naphtha has gone in buyers' favour: 90 to 160, 2s. 3d. to 2s. 4d. per gallon; heavy solvent naphtha, 90 to 190, 2s. 4d. to 2s. 5d. per gallon, drums extra. Paraffin wax and scale.—Wax is steady but still rather quiet: 23d. to 4d d. per lb., according to meiting-point. Scale is unchanged on spot at 13d. and 15d. forward, for 120° to 124° F. Petroleum oils hold very firm and unchanged at: American standard white, 1s. 4½d.; water white, 1s. 5d. Petroleum jellies.—Last week's eheaper prices are still quoted, but there is but little demand: Snow white, £71; white, B.P., £66; white, £54; pale yellow, £32; amber, about £29; red vet, £26; dark stiff green, £19, ex wharf London, barrels free. Special o.L. for Diesels and motors, remains steady but slack at 10d. per gallon, barrels free. White oils are much steadier per gallon, barrels free. White oils are much sceamer after last week's fall in values: Special No. 1. £42; No. 1, £38; No. 1A, half-white, £36, drums free; No. 2, half-white, £33, barrels free, all ex wharf London. Lubricating oils.—Cable advices report much firmer tone; also "there is a strong feeling that crude will advance shortly." The spot market is about the same: Pales, £13 to £24; reds, £18 to £30; dark cylinders, £17 to £35; filtered cylinders £22 to £40; blacks £8 to £18. to £35; filtered cylinders, £22 to £40; blacks, £8 to £18, ex wharf London, less  $2\frac{1}{2}$  per cent. Soluble oil is quoted at last week's reduced price of £22 10s.

Animal and fish oils, tallows, etc.—Fish oils have brightened up a little, and spot holders are asking higher prices. Tallows are still slack, with good supplies in stock. Other products are unchanged. English LARD oil is steady at 62s. to 74s. per cwt. American Lard oil is unchanged at 65s. to 76s. per cwt. in barrels. Neat's-FOOT OIL.—English oil is a shade easier at about 5s. 3d.

per gallon; American under 1 per cent. f.f.a. unchanged at 5s. 71d. per gatlon, ex wharf London. PALE HORSE oil in small lots is now quoted at 36s, per cwt. delivered. FISH OILS.—The market has been more active and is firmer, with a tendency to higher prices on spot: Filtered pale whales, 38s. to 42s.; filtered brown, 34s.; thickened, 39s.; brown whale cake, 22s.; brown stearin, 20s.; 59s.; brown whate cake, 22s.; brown stearin, 20s.; refined sperm oil, 39s.; best refined Southern sperm oil, 40s.; seal oil, 24s. to 40s.; white seal oil, 42s.; Newfoundland tanked cod oil, 38s.; English Coast cod, 28s. 6d.; thickened fish oil, 39s. 6d.; thickened shark oil, 34s.; hardened whale oil, 39s. to 43s., in barrels, cx wharf London; cheaper prices ex provincial ports. Tallows.—There is no improvement in demand to record; rather are howevery maintained at the clightly cookies. values are, however, maintained at the slightly easier figures given last week.

#### Spanish Customs Tariff

Owing to changes having been made in the list of goods for which certificates of origin are now required on importation into Spam we append the revised list of chemical portation into Spam we append the revised list of chemical and allied products for which certificates of origin are still required: Artificial dycstuffs obtained from coal tar, in powder or crystals, in pastes or solid; synthetic indigo; animal wax; mineral and vegetable wax; perfumes and essences; antipyrine, phenacetin, salipyrin, pyramidon; pills, capsules, sugar granules, tablets, etc, of all descriptions, for medicinal purposes; medicinal specialities, containing sugar, glucose, saccharin, but not containing alcohol; all other medicinal specialities; wheys and lymphs; animal products for medicinal uses; organotherapeutic preparations; photographic papers; and goods made of celluloid.

#### Chilian Iodine

Chilian Iodine

The agreement signed by the companies producing iodine in Chile requires that all iodinc contained in the caliche extraction is not permitted by the quota assigned, which must be thrown away and lost entirely. Statements are made, says U.S. Commercial Attaché C. A. McQueen, of Santiago, that in place of the quantity of iodine now extracted and exported (something over 500 tons annually), from 10,000 to 14,000 tons could be produced if all the iodine contonts were recovered. Of the potential uses of iodine that have been demonstrated but are not in commercial practice, the more important are its application as a reagent in the manufacture of sulphuric acid and in the extraction of copper from low-grade ores. Patents have been taken out in the United States and in Chile and are being applied for in other countries covering a process of precipitation of copper by iodine.

Hydrastis Canadensis

#### Hydrastis Canadensis

WE have received the following note on the position of hydrastis canadensis, which tends to show that the price now runng is low, and a considerable rise in the near tuture is to be expected. Hydrastis is one of those crude drugs which are indigenous to the United States, and drugs which are indigenous to the United States, and until about fifteen years ago grew wild and was collected in the same way as senega root, by the skin and fur trappers, and brought in to the nearest cities on their backs. The supplies, however, became more and more scarce, and the Department of Agriculture of the U.S.A. conducted experiments in Washington in the eultivation of the root with more or less satisfactory results. However, at a later period the cultivation was taken up on a larger scale, and now, to-day, fully 50 per cent, of the annual crop is from the cultivated root. By the eareful selection of the seed the more experienced growers have greatly improved the quality of the root and also the alkaloidal contents. Some cultivators have been able to get a root which contains 4½ to 5 per cent, of hydrastine, against 2 to 3 per cent, in the average root of wild growth. It, however, takes—even under the most favourable condiagainst 2 to 3 per cent. in the average root of wild growth. It, however, takes—even under the most favourable conditions—four years for the root to mature. The cost of production of the cultivated root has risen considerably in latter years, with the great advance in the scale of wages of labour, and this cost can be very accurately estimated; but it is impossible to produce root to-day at its present selling price. Some important growers have discontinued their work owing to the low price which hydrastis realises, and unless there is a sharp rise in prices the quantity grown under cultivation will be very much less in the future. To-day's price is the lowest for ten years, despite the fact that labour is praetically at its highest. There is no sign of over-production or of any material reduction of producing costs. In these circumstances it is only natural to assume that the present low prices cannot remain, and with any sign of a renewal of demand with improved conditions the price will have a sharp upward move.



Ill-directed Taxation

EIR,—The figures showing the decline in the perfumery sales due to the heavy taxation (C. & D., April 29, p. 64) only follow the same results as have been experienced in the aërated-water, tobacco, and wine industries, all of which showed a terrible slump due to increased duties. It has been proved conclusively that there is a certain price beyond which the public will not go, and when the articles are to a certain extent in the nature of luxuries and not necessities they simply cease buying and go without; so much so was this in the case of cigars that the Government was compelled to grant concessions, with the result that the trade, which had been practically killed, recovered almost immediately. There is no doubt that the same process would happen with regard to other commodities. There are dozens of people who like to use a little eau de Cologne as a refresher and a little luxury occasionally, but time and again, when they hear the price, they remark that it is too expensive, and decide to forgo it. If the duty were halved there is no doubt that the sales would be more than doubled, and this would not be the only relief to the revenue, as the increased sales would mean increasing employment, so that the man who is at present a charge upon the community would be turned into an income-tax payer, with a further relief to his fellows. This aspect of the case has long been plain to business men, and if the Government would only have a little courage and cut down the oppressive taxes on manufacturers, a great boom in trade would follow. Yours faithfully, TAXPAYER (29/4).

The Dope Stunt

Sir,—The increasing number of cases in the police courts in connection with the supply of cocaine shows that the Dangerous Drugs Act has had very little effect on the illicit trade carried on among the demi monde. The evening Press has been making a "stunt" of an investigation in the matter, with all the details and artistic stories which would do credit to Sherlock Holmes in his marvellous adventures. The conclusion arrived at is that the only way to stop this illegal trade is by amending the Act and greatly increasing the penalties. Based on this, one member of Parliament suggested that the penalties should include a dose of the "cat." This is a cheerful outlook for the unfortunate pharmacist, who by reason of some error of omission to enter either deliveries or sales should bring himself within the clutches of the law. Is there no means by which the authorities can be brought to recognise the difference between a technical offence committed by a man in the legitimate exercise of his calling and the deliberate defiance of the law by the criminal, who would still endeavour to earry on his underhand trade no matter what penalty he risked so long as there was profit to be made? The sane attitude to adopt would be, of course, to exempt the qualified pharmacist in business from the Act, as his dealings in dangerous drugs are already sufficiently regulated by the Pharmacy Act, and he could still be prosecuted in such cases where it was proved that he was supplying in an illegal manner or for an illegitimate purpose.

Yours truly,

CATASTROPHE (1/5).

The New Dispensing Terms

Sir,—The various articles and letters appearing in the C. & D. have made it abundantly plain that the Ministry of Health take their stand on the question of dispensing-fees from the amount fixed in 1916 as the original basis to work on, and then introduce the index-figure of cost of living as a sort of sliding scale. The mass meeting of London pharmaeists at the Holborn Restaurant was held to protest against the new conditions, and the resolutions passed there embody very tersely our objections to these

reductions, and these resolutions, followed by others from chemists' associations all over the country, will have placed on record very definitely the fact that we have accepted the new terms only under protest. It remains for us to prove that these figures do not represent a just remuneration for our professional services, and it is to be hoped that during the next two years we shall be able to conect such evidence as will enable us to attack the problem from a different front altogether. Pharmacists as a class have been extremely conscientious in the administration of the National Insurance Act, in fact when compared to the medical service we have just cause to be proud of our record, and it is to be hoped that chemists will not relax their efforts or become slack for the next two years through any feeling of unjust treatment.

Yours, etc., Perseverant (2/5).

Copying Insurance Prescriptions

Sir,—I see that at the meeting of the Walthamstow Pharmaceutical Association (C. & D., March 4, p. 67) the members agreed to the discontinuance of duplicates of insurance scripts, provided it would not be necessary to copy all scripts containing scheduled poisons. 1 very much doubt whether it is in their power to make any such proviso or for the local Insurance Committee to grant the same. The section of the Pharmacy Act which deals with the sale of poisons expressly states that in the case of dispensed medicines containing a scheduled poison the medicine shall be labelled with the name and address of the seller, and the ingredients thereof be entered, with the name of the person to whom it is sold or delivered, in a book to be kept by the seller for that purpose. Up to the present the use of duplicates has afforded us relief from this condition, in that a proper system of filing and storing these duplicates answered the purpose of the "book" and contributed a ready method of reference to any particular script if occasion arose: but with single copies of scripts the pharmacist is legally bound to copy the same, and I do not see that he can make any proviso merely because such script happens to be presented by a panel customer. The Government could obtain power to issue a regulation over-riding that part of the Pharmacy Act, in the same way as they did under the Dangerous Drugs Act, but as the inconvenience and expense are in this case to be borne by pharmacists, it is extremely improbable that the authorities will go out of their way to relieve us. In any case, panel pharmacists will be well advised to observe the law as it stands, and to make copies for reference, as in the case of a chemist finding himself, through any cause, in a court of law, and not being able to produce such copy, he would be in an awkward predicament .- Yours faithfully, COPYRIGHT (4/3).

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The Happy Smile

SIR,—The happy smile and inquiry after the family's health may on occasions be misplaced, and it is well to remember that certain goods may be used for more than one purpose. I have always been on good terms with customers, but am of opinion that one requires to cultivate a certain reticence. An inquiry as to health, etc., should be more general than specific. A sale of a pound or two of absorbent gauze or gamgee tissue does not necessarily mean an impending operation, but something quite different, quite innocent, but not the subject for gossip. I remember a young assistant, quite a good fellow, well meaning and polite, who rather "put his foot into it." He was in the shop by himself one day—a summer day—when a lady and gentleman eame in. The lady turned suddenly faint. He was courteous and attentive, got her a draught, and made her comfortable in the back shop; then returned to the counter and chatting to the man, he innocently asked "if the lady was subject to these attacks." The reply—properly whispered—is not for publication. My young friend has been married some years now and knows a trifle more than he did—e.g., when to be general rather than precise.

NARETEV (1/5).

#### Legal Queries

G. & T. (29/4).—The exact terms of the Registration of Business Names Act are given in The Chemist and Druggist Diary, 1922, p. 278.\*

 $C.\ D.\ (22/4)$  employs an assistant at a weekly salary of £3 7s. 6d., and asks whether he is insurable either under the National Health or the Unemployment Insurance schemes? [As the assistants' salary is under £250 a year he must be insured under both schemes.]

 $H.\ T.\ W.\ (22/4)$  asks if in making out his income-tax return he is required to include the whole of the amount he receives for medicines dispensed by him under the National Health Insurance Acts; and if not, what proportion of what he receives should he return for assessment on the income-tax form. [No. The whole amount need not be returned. The income-tax return need only give the profits or gains made on the dispensing; thus if the sum received for the medicines dispensed is made up of (a) cost price of drugs and bottles, (b) expenses of any kind necessarily incurred in carrying out the sales, and (d) the fees payable to him for his labour and skill in dispensing, the only part that need be returned is that under  $(\vec{a})$ .]

W. T. R. (29/4) occupies a shop next door to a butcher who owns the forecourt in front of his premises. The butcher has placed a large board on the forecourt between his shop and "W. T. R.'s" which hides "W. T. R.'s" shop from persons coming along the road. Can "W. T. R." compel the butcher to remove the board? At the back of his premises the butcher has a shed in which he burns offal from time to time, making an objectionable stench. Can anything be done to stop this practice? [So long as the board does not encroach upon "W. T. R." s" premises or forecourt "W. T. R." has no redress, in our opinion, merely because the board conceals his shop from approaching passers-by. As regards the burning of the offal, "W. T. R." can take proceedings for an injunction to restrain its repetition if the smell interferes with his comfort to such an extent as to be an actionable nuisance.]

Dental (25/4) let a room over his shop to a dentist, the terms of the tenancy being embodied in a letter which is not stamped. About six months ago the dentist vacated the room; but he has left some of his furniture behind. A sum of £5 is owing for rent, and the dentist has failed to pay that amount and also to remove his furniture, in spite of promises to do both. Is "Dental" within his rights in putting the furniture out in the street, or selling it, after giving the dentist notice? [We consider that "Dental's" only safe course, in the circumstances, is to take proceedings against the dentist in the County Court for possession of the room and also for the rent owing. As the letter is not stamped as an agreement he will not be allowed to produce it in evidence, as such, in Court; but he should nevertheless be able to obtain redress. We advise "Dental" to place the matter in the hands of a solicitor.]

Taxpayer (24/4) asks should any profit accruing from a relative as paying guest for short periods be included in his income-tax returns in a case where the motive of keeping the guest is family convenience, and not profit. If it is assessable, he suggests that it should be charged as income of the wife, seeing that the labour incidental to the guest's stay devolves on the wife, and, in any event, that a deduction should be allowed for attendance, although no servant is kept. [Profits made from the keeping of a paying guest might be assessable under Schedule D, and if the husband is tenant of the house these profits would be regarded as part of his income. But it is not easy to realise how there can be any ascertainable profits in the case given by "Taxpayer." Anyhow, all the expenses incurred in connection with the earning of the money received from the guest, such as for lighting, fire or the like, could be deducted. In the case, as this seems to be, of a wife who is working to make profits for her husband, there is no provision made for any allowance for her remuneration.]

#### Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. D. G. (21/4).—(1) There are no serious books on the preparation of toilet articles other than those you mention. (2) Sausage seasonings.—The following are from "Douglas's Encyclopædia" (Douglas & Sons, Ltd., Putney):

Pork	Beef
Salt 9 lb.	Salt 9 lb.
White pepper 6 lb.	White pepper 7 lb.
Nutmeg $\dots$ $\frac{1}{2}$ lb.	Coriander seed 8 oz.
Mace $\dots$ $\frac{1}{2}$ lb.	
	Use 1 oz. to 1 lb. meat.
proportions of coriander,	
cloves, cayenne, and	
ginger. Use ½ oz. to 1 lb.	
meat.	

J. H. L. (15/4).—"The Ship Captain's Medical Guide," published by the Stationery Office, Kingsway, London, W., at 3s., is the standard work for ship use.

D. & H. (15/4).—How to use henna.—About seven ounces of henna powder is required for one application. This is divided into two portions. With portion No. 1 an aqueous infusion is made, using one pint of boiling water. This infusion is used while still hot, and is applied with a brush. With portion No. 2 make a moderately thick paste with water. Apply to the hair, and hold in position with a towel wrapped round the hair. Allow to remain thirty minutes. Then rinse the hair in tepid water. A recolouring is necessary within about thirty days.

Canadian (4/4).—Inf. Quassie conc. (1-7).—The following is from "Pharmaceutical Formulas":

 Quassia ...
 ...
 5ij.

 Rectified spirit
 ...
 5iv.

 Water ...
 ...
 a sufficiency

Macerate the quassia in 16 oz. of water overnight, strain, and wash the marc with water to 16 oz. Add the spirit and  $\frac{1}{2}$  oz. of kaolin. Shake well and filter, returning the filtrate until it comes through bright. Use a small quantity of animal charcoal if it is required light.

Zingib. (29/4).—The new terms for Insurance dispensing are those originally offered by the Ministry of Health. The negotiations conducted on behalf of chemists for a modification of the offer were futile.

#### Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," May 15, 1872

#### Dispensing Charges

It will always be impossible to establish perfect uniformity in dispensing charges. The firm that pays rent in hundreds has a fair right to expect a better class of trade, and higher rates of remuneration, than one whose expenses are perhaps little more than a tenth of the other. Every pharmacist, too, must have perfect liberty to use his discretion with regard to every case that comes before him. He may wish to lighten the cost of medicine to a poor person, or he may have other reasons for charging low, which he need by no means explain. But what we wish to impress on the trade, or rather on the few who, as we learn from time to time, seem to sell their skill too cheaply, is the difference existing between the English and, say, the German method of charging. They charge on the basis of reckoning the value of the ingredients of a prescription; a correct commercial rule, doubtless, but one that assumes the art of dispensing to be a simply mechanical one. From our point of view, and certainly we may add from the customer's point of view also, a more satisfactory method is to charge for medicine according to the number of doses; a rule so widely deviated from, it is true, as to be hardly recognisable, but one which is the foundation of English dispensing tariffs, and one which, if it were necessary, it would be easy to show is perfectly justifiable. Let this be borne in mind, and we anticipate that a better rate of dispensing charges will be established.

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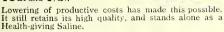
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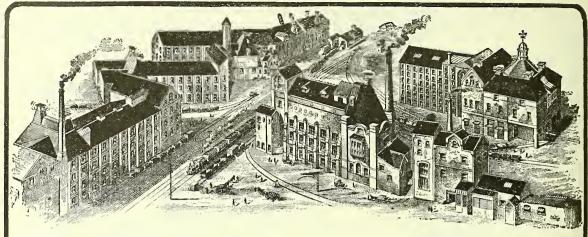
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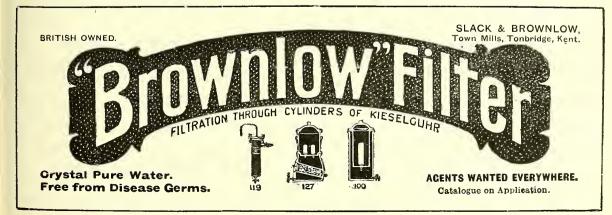
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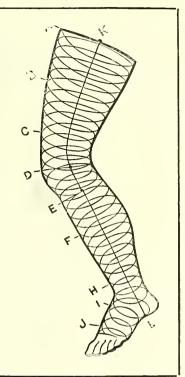
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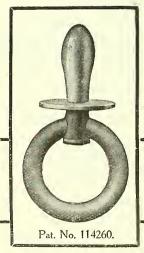


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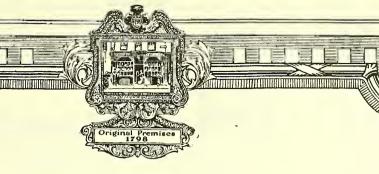
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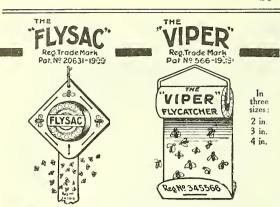
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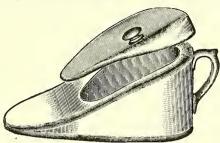


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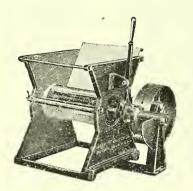
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### EXAMPLE.

$3\frac{1}{2}$ dozen 1/3 size at 12/- net 2 ,, 3/- ,, at 30/- ,,	•••	$\begin{array}{c c} £2 & 2 \\ \hline 3 & 0 \\ \hline 5 & 2 \\ \end{array}$	0 0	£2 12 3 12	6
Less 10/6 for Window Show	• • •	10	_6		
		£4 11	6	£6 4	6

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1/3	size	•••	12/-	per doz.	net.			
3/-	,,		30/-	"	,,			
5/-	"		48/6	"	,,			
12/-	,,		114/-	2.2	11			

### PROTECTED PRICES.

Phosferine, and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-

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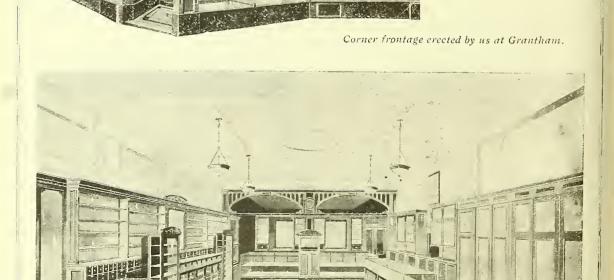
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# ND DRUGGIST THE CHEMIST

42 CANNON ST. LONDON E.C. 4

MAY 6, 1922

This Supplement is inserted in every copy of The Chemist & Druggist.

# CHEMISTS' TRANSFERS. essrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No.: City 2283.

### May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

Hay be consulted at their Offices on matter.

-LONDON, E.C.—For disposal, for removal, the Plant of a of Wholesale Manufacturing Druggists, including Boiler and al Motors, together with the stock-in-trade, comprising B Ptures. Infusions, Decoctions, Essential and Vegetable Oi's, s. Roots, and Barks, etc., the whole of which may be inced by appointment.

-LONDON, E.C.—For disposal, the Fixtures of a Dispons-Business, comprising nests of mahogany-fronted drawers, ing, mahogany counters, fitted with mahogany cupboards to and shelving within, desks, etc.; no reasonable offer refused. BORDERS OF THE CITY.—Ready-money Business; returns, r management, £50 weekly, with scope for increase; net 25%; rent moderate; held on lease; terms, valuation of and fixtures and sum for goodwill.

-LONDON, W.C.—General Retail and Dispensing Business, lose proximity to several large hotels; returns upwards of 00 per annum, at full prices; well-fitted shop, fully stocked; on lease; price to be arranged.

-NXFORD STREET (Near)—Ready-money Business; lock-hop; recently established; opening to do £40 weekly; price, eclude stock, fixtures, lease, etc., about £800.

-LONDON, S.W. (Suburban).—Ready-money Retail and Disng Business, situate in busy main thoroughfare; returns year under management, about £3.200; net profit £800; s, valuation of stock and fixtures, and sum for goodwill to greed.

-MIDLANDS.—Cash Retail Business, situate in large town;

greed.—MIDLANDS.—Cash Retail Business, situate in large town; ns £500, with scope for large development under energetic agement; rent £30 per annum; price to be agreed.

-SOUTH OF ENGLAND.—Good-class Retail and Dispensing Business; returns between £5,000 and £5,500 per annum; modern, well-fitted Pharmacy, fully stocked; further details on receipt of Bankers' reference.

9.—LEEDS (Near).—Cash Retail Business, with good opening for Photographic; returns exceed £3,000 per annum; net propt between £800 and £900; lock-up shop; held on lease; price

2800 and 2505, 21,800.

10.—YORKSHIRE.—Ready-money Drug Store, in good-class neighbourhood; returns about £100 monthly; scope for development under qualified management; well-fitted shop, fully stocked;

rent £40; no reasonable offer refused.

11.—NORTH-WEST COAST.—Cash Retail and Dispensing Business; established many years; returns £1,050; net profit over 25%; single-fronted shop; rent £50; lease can be obtained; price

12.—HANTS (Coast Town).—Cash Retail Business, including Postal trade; gross receipts about £12,000 per annum, at full prices; further details on application.

prices; further details on application.

13.—WHOLESALE BUSINESS, established upwards of a century; a number of Proprietaries are included, which are stocked by most Chemists; returns between £4,000 and £5,000; terms, stock and plant at valuation, and sum for goodwill to be arranged.

14.—SOUTH INDIA.—Well-appointed Pharmacy, trading chiefly with English residents; returns last year Rs. 23,386; the premises comprise magnificent building of two storeys, furnished throughout; all further information will be furnished on application.

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essrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone **Profit**, he value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

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18, Office of this Paper.

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W SUBURB.—Drug Store; main shopping, tram, and bus thoroughfare; working and middle-class; small shop, fitted and stocked; excellent scope, especially for registered growing district; much N.H.I. refused; Prescribing; Optistications, returns £1,000 to £1,100, without Optics; house, comfortable; rent £40; lease 18 years to run; garden; lished 1905; £600. 214/22, Office of this Paper.

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R Sale, owing to death of proprietor, an old-established Retail, Family, and Agricultural Business; Optics and Photoics; well stocked and fitted; good living accommodation; ns 1921 £2.530; freehold premises with business on reasonterms. Apply Exors. of the late Mr. J. W. Cussons, c/o is. Andrews, Son & Huxtable, Solicitors, Dorchester.

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BUSINESS wanted, bringing in about £600 net profit; Birmingham, London, or other large city preferred, but not essential; partnership entertained; details unnecessary in first letter; strictest confidence. 214/18, Office of this Paper.

CHEMIST'S Business wanted, within 30 miles' radius of New-castle-upon-Tyne; turnover about £2,000; please give full particulars as to stock, fittings, price, etc., in first instance, which will be treated in strict confidence; partnership with view to succession entertained. 215/36, Office of this Paper.

CENUINE Chemist's Business wanted, with living accommodation if possible; London, suburban, or Home Counties; turnover about £1,300-£1,400 per annum; cash available. Full particulars, in confidence, "Pharmakon" (214/40), Office of this Paper.

WANTED, Business, with scope, in busy shopping thorough-fare; nearest to "Boots" for preference; old-fashioned style not objected to; London or near; vendors please state district only; details at interview; no agents. Apply 214/2, Office of this Paper.

WANTED, Chemist Business or Drug Stores, with scope, living accommodation essential; about £1,000 available at ingoing. Particulars, in confidence, to "C. M.," c/o Mr. H. A. Wray, 18 Mill Lane, Heworth, York.

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particularly to draw the attention of Coionial and Subscribers to the fact that in cases where they a partners, agents or assistants, or wish to sell their sases, an Advertisement in this Supplement, placed in copy of "The Chemist and Druggist," should be the st means of helping them to attain their object. The for such announcements 's given under the appropriate ras in the Supplement. Instructions and remittances sent to 'us direct or through the advertisers' pondents in this country.

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### TENDERS.

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The Liquidator is prepared to receive Tenders for the above property according to particulars and conditions of sale, copies of which can, on or before the 22nd day of May, 1922 (the last day for forwarding Tenders), be obtained at his offices, Ridgway House, 40 & 42 King William Street, London, E.C. 4, on payment of a fee of £2, which will be returned in case the Tender is duly made. The highest or any Tender will not necessarily be accepted.

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Dated 26th day of April, 1922.
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6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

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m E}^{
m ASTERN}$  COUNTIES AND KENT.—Advertiser, with established connection amongst Chemists, is open to carry good side-line. Apply 212/38, Office of this Paper.

COTLAND.—Advertiser, who has well-organised selling staff, and accounts open with practically every Chemist and Store in Scotland, is prepared to accept another really good Agency; stocks can be carried in Glasgow; advertiser is visiting London, etc., week commencing May 8, and will be glad to interview those interested; highest references. "Progressive" (5/158), Office of this Paper.

YORKSHIRE.—Reliable Agent wanted, to sell well-known Toilet Preparations to Chemists, etc.; must have established connection; give full particulars, in confidence, as to ground worked, present lines, etc., etc.; Agent also wanted for Cumberland and Westmoreland. "Northern" (5/157), Office of this Paper.

A GENTS required for leading lines in Lemonade, Health Salts, Medicated Socks, etc., for London and Counties South, East, North, Lanes, Cheshire, Yorks and Midlands, except Birmingham and district; first-class goods and display matter, backed by trade advertisements; good commission. Particulars of connection and goods carried in confidence to "Original," 82 Latimer Street, Birmingham.

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HOUSE and Shop, Bradford, Undercliffe district, admirably suited for Chemist (uone in the district); good corner position; two windows (plate-glass); living-room and sitting-room, four sleeping-rooms, bath, w.c., good cellaring; shop and house now vacant; price £725. Apply C. H. Lord, 19 Market Street, Bradford.

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FIXTURES for Chemist's Business.—Glass Counter Case (graduating, 4 ft. 6 in. long, 20 in. by 12½ in. by 4½ in.; Glass Case (mahogany), with two glass shelves, suitable for counter, 2 ft. 4 in. by 1 ft. 7½ in. by 12 in.; Case, glass front, 5 ft. 5 in. by 5 ft. 9 in. by 15 in.; various Wall Fixtures. Apply Scott & Carlton, Pocklington, Yorks.

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S TOCK or show Bottles wide month, about 4-gal, capacity, black tin caps, about 5 dozen large dark glass gold labelled, for disposal; also several pear-shaped Carboys, about 6 gal, capacity. Please apply Manager, 26 Davies Street, Grosvenor Square, W. 1.

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LAST ANGLIA.—Good opening offers for young qualified man, with Agricultural experience, competent to conduct good Mixed Rural business; only very reliable men inclined to country life need apply. Write, with full particulars of age, experience, and salary required, to "Rus" (214 250), Office of this Paper.

I ONDON.—Qualified Lady Dispenser required (Minor), for Counter and N.H.I.; ledgings available; give usual particulars, state age, when disengaged, salary required (ontdoors), 214 25, Office of this Paper.

JONDON, S.W.—Wanted, competent unqualified man (30-35) good Salesman and Window-dresser, capable of taking entire charge; must be of good appearance and address, and accustomed to good-class trades, and with up-to-date business methods. State age, height, experience, and salary required, in first letter, to 216 22. Office of this Paper.

LONDON, N.W.—Required, an Assistant, accustomed to he class Dispensing and Retail; must be courteous, que thoroughly experienced, and possessing undeniable reference "Apply by letter, giving full particulars and salary requient. Richman, 6 Cauneld Gardens, Hampstead, N.W. 6.

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Department; one who has had experience in other dependents preferred. Apply, giving full particulars of experience 5, 154, Office of this Paper.

OUTH WALES. Assistant, qualified or unqualified, in diately; canable Dispenser; energetic worker; good rences essential; full particulars in first letter, experience, salary, etc.; reasonable hours; no Sunday duty; applications replied to within seven days respectfully declined. Hende Chemist, Llanelly.

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W.C. —ASSISTANT wanted for Counter and Dispenyoung, euergetic; trustworthy; good Windowdr Photography. Apply, with details of age, experience, and s required, to "Scilla" (214/26), Office of this Paper.

AN Assistant, accustomed to good-class business and with references; also a Junior for Stock. Apply, giving particulars and salary required, to Alfred Bond, Ltd., Physics Sewonay.

A SSISTANT, lady or gentlemen, required for Photogram Counter; one with some knowledge of Optics prefapply, giving age, previous experience, and salary requenciosing recent photo if possible, to Mr. Reid, 3 Queen Stater.

A SSISTANT, unqualified preferred, for busy Pharmacy, of good appearance and address, not under 25. chief Counter and Dispensing; must be a competent and tactful man, conversant with modern business methods; practical F graphic knowledge necessary; good references essential. Chemists. Watford.

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L OCUM, unqualified, outdoors, required June 19th to July also qualified, July 10th to 15th. R. H. Fynn. 5 Helen's Gardens, N. Kensington, W. 10.

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THOMPSON & CAPPER, LTD., have a vacancy for a qualified Assistant in Manchester; must have a the knowledge of the Retail Photographic business. Applies enclosing full particulars of experience, and photograph is sible, and salary required to Thompson & Capper, Ltd., Ms Buildings, College Lane, Liverpool.

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WANTED, qualified Managers for important shops: must fullest particulars, experience, bank or solicitor's refere amount of cash to be invested; ten per cent, guaranted good salary. Apply 215,560, Office of this Paper.

WANTED, Assistant, competent, capable Dispenser, with ledge of Photography and willing to Develop and age about 25. Give full particulars first letters, stating required; applicants not answered in three days declined. Roe, Chemist, Epsom.

WANTED, Lady Assistant: good Dispensing and C. Surrey.

Surrey.

NTED, young lady; N.H.I. Dispensing and Counter; live ut; state age, salary required, and experience; East Coun-214/19, Office of this Paper.

NTED, young lady Assistant; permanent; qualification not ssential; must be competent Dispenser; used to brisk r work and Photographic Sales; send full particulars of ence, age, height, salary; no testimonials; London intersouth-East Coast. L. (214/30), Office of this Paper.

FOR Unemployed; Registered or Unregistered.—The foregoing for information, if acted upon, of good opening declass locality; premises must be available; "Successful have first chance of good berth; advertiser would meet ant and pay any incurred expenses. Reply, in confidence, no, Office of this Paper.

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CHESTER.—Resident Representative required for a Whole-ble Drug, Sundry, and Packed Goods house. Apply 5/153, of this Paper.

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RESENTATIVES required for the following territories: taffordshire, Shropshire, Worcestershire, and part Birming-by Manufacturers of Proprietary articles; subdivery assistance given; applicants must give fullest dars of ground covered, sales record, and must ve and good connection; no application will be considered fails to give the particulars asked for, and which will ted in strictest confidence. 215/8, Office of this Paper. RESENTATIVES, calling on Chemists, required for 1) South Wales, and (2) Ireland, to carry Packed Pharicals, Toilet Requisites, Swindries, and Seap; good combasis. Reply, giving full particulars of experience, etc., /14, Office of this Paper.

5/14, Office of this Paper.

S Manager, Fine Rubber Goods.—Well-known firm requires rst-class man with ideas, to handle full range high-grade r Articles, including Surgicals, Nursery Goods, Infant Sponges, Bathing Caps, Toys, etc.; only brilliant man of strative ability, with successful record and knowledge of s, will be considered. Replies, in confidence, to P., c/o Owen Advertising Agency, 36 Southampton Street, Strand,

VELLERS wanted to carry new line of health food that ill be extensively advertised; at first as a side-line on sion only. Write fully, stating previous experience, ground ent covered, and references, 212/36, Office of this Paper.

ent covered, and references, 212/36, Office of this Paper.

VELLERS (4); one Somerset, Devon, Cornwall; one Cambis, 
lerts, Beds; one Gloucester, Wilts; one Hereford, South 
goon connection Chemists, Rubber, Toilet, Sanitary, and 
tary lines; good terms and exclusive territory. Write 
in confidence, P.C.B. 25/28, Office of this Paper.

VELLING Representative wanted by leading firm of 
ondon Chemical Merchants, to sell Heavy and Technical 
als; must have sound knowledge of Chemical trade and 
bly have connection with British buyers; applications 
confidentially. Write, stating experience fully, age, and 
required, to "T." (P.C.B. 25/14), Office of this Paper.

NTED for the Costing Department a young leady about 
the control of the cost of the control of the control of the cost 
NTED, for the Costing Department, a young lady about 8, of good education; a knowledge of the Drug trade de-Apply, by letter, M. S. N., Allen & Hanburys Ltd., I Green, E.

### SITUATIONS OPEN.

### (Colonial, Indian and Foreign.)

N AND SPANISH AMERICA.—Traveller, young, single, referably qualified, able to speak Spanish with reasonable, required by London firm of export Druggists; if und, candidates should have had experience of Drug and hemical trade; British nationality preferred; progressive for suitable man. Applications to be addressed to 5/138, of this Paper.

BRITISH COLONY.—Wanted, a young qualified Pharmacist, with a view in due course to manage branch business; liberal terms. Apply 5/155, Office of this

### SITUATIONS WANTED.

### [HOME.]

### RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

-QUALIFIED Dispenser, 26, single, desires situa- $A.A.A.^-$ A.A.A. tion; eight years' experience; accurate Dispenser, smart Window-dresser, knowledge of Photography; moderate salary. "Dispenser," 62 Fenton Road, Bournemouth.

A.A.—MR. GARTSIDE, Chemist, Arnside, Westmorland, can, with confidence, recommend reliable Locum; booking dates. Address as above.

A.A. --LOCUM (45), experienced; take entire charge; terms moderate; booking dates; disengaged; abstainer. "Pharmacist," Raimes, Ltd., York.

A.A.—QUALIFIED Manager or Assistant (26), married; first-class Dispensing and Counter experience, Photography, etc.; permanency desired; housing accommodation appreciated. "M.P.S.," 53 Belmont Road, Belmont, Sutton, Surrey.

A -DISENGAGED; locum or permanency, Manager or Assistant; excellent experience; reliable, energetic. "Chemist," 6 hastbourne Terrace, Paddington.

A -JUNIOR (21), male; all-round experience Dispensing, Counter, Window-dressing, and Photography; good references; moderate salary. Milis, 4 Sunnybank, South Norwood,

A MAJOR Pharmacist is open for engagement during the summer as Locum or Temporary Assistant; first-class Retail experience in London and provinces. "A. G.," 36 Jeffreys Road, Clapham.

A QUALIFIED Pharmacist (28) desires change; present London situation 2 years; interview. Roberts, 24 York Street, Baker Street, W. 1.

A QUALIFIED Chemist desires position as Manager or Locum; good experience; disengaged. "Statim," 12 Linwood Street, Greenheys, Manchester.

A N experienced Assistant, elderly, requires part-time employment, mornings, evenings, week-ends; moderate. "Statim," 38a Broadway Parade, Crouch End, N. 8.

 $A^{\rm GE}$  26; unqualified; good experience. "Silver Badge" (215/39), Office of this Paper.

A S Assistant Dispenser; age 27; married; two years' experience as Assistant Dispenser and Dresser. Apply M.L. 75259/21, Office of this Paper.

A SSISTANT or Manager; age 36; single; educated Edinburgh University; thoroughly experienced; conversant with medical professions. Apply M.L. 97404, Office of this Paper.

A SSISTANT; 42; war service 15 months; 13 years' experience as Chemist's Assistant. Apply M.L. 8656/21, Office of this Paper.

A SSISTANT; 21; four years' experience as Assistant to Public Analyst. Apply M.L. 1426/22, Office of this Paper.

A SSISTANT; brisk Counter trade, light Dispensing, Windows, Stock; 45s.; provinces; references satisfactory; excellent general experience. "Provinces" (212/28), Office of this Paper.

A SSISTANT, unqualified; first-class London experience; London or suburbs preferred. Jones, 15 Elvet Terrace, Bethesda, near Bangor, N. Wales.

A SSISTANT, qualified (24), shortly disengaged; highest-class Dispensing and Counter experience; excellent references. "M.P.S.," 2 Powis Villa, Wilton Road, Malvern.

A SSISTANT (27), good Dispensing experience, also Counter, Photography, desires permanency; Lancs or Yorks preferred. Please state salary, hours, 213/31, Office of this Paper.

A SSISTANT, 21, four years' experience, Dispensing, Counter, disengaged, requires situation. Howells, Ship Farm, St. Clears, Carmarthenshire.

A SSISTANT, Dispenser, or Relief; London; long, varied ex perience; good references, very moderate salary. "L.," Roslim Terrace, Acton.

A SSISTANT (30); good Salesman; whole or part time; West-End experience; good references. Kirby, 362 Upland Road, East Dulwich, S.E.

A SSISTANT; unqualified; 30; 12 years' good all-round experience; moderate salary; excellent testimonials. "Alverton," 21 Tonsley Hill, Wandsworth, S.W. 18.

A SSISTANT; 26; well recommended, thoroughly experienced Dispensing and Counter; now disengaged; London preferred. 'K.," Tupholme's, Earl's Court, S.W.

A SSISTANT, passed Part I. Qualifying examination, desires position; South Coast preferred. Particulars, Redman, 62 A position; South Coast pre Fort Road, Newhaven, Sussex.

A SSISTANT; unqualified; 25; six years' experience in good-class business; good Window-dresser, quick at Stock, capable at Front Counter; London district preferred. E. B. Birks, 9 Vicarage Road, Forest Gate, E. 15.

A SSISTANT (23); nuqualified; temporary or permanent; Connter, Dispensing, Photography; disengaged. J. W. Coates, Myrtle Villa, Willington, Co. Durham.

A SSISTANT; 38; 5 ft. 11 in.; single; unqualified; highest-class Dispensing and Retail experience, with Optics, Photo-graphy, and Window-dressing; satisfactory references. "Statim," 2 Mayfield Place, St. Ann's Road, Great Malvern.

A SSISTANT (27); good Photographic experience, Dispensing, etc.; unqualified. B. Hodges, 124 Skipton Road, Colne. Lancashire.

A SSISTANT, ruqnalified; 11 years one firm: Dispensing, iic, all branches; excellent references. "Rhei," Photographic, all branch Scotland Street, Ellesmere.

A SSISTANT (35), unqualified, 20 years' experience, seeks situa-tion; London or near; Homo., Veterinary, and quick Counter. H. A. S., 38 Lydford Road, Paddington, W. 9.

A SSISTANT, temporary or permanent; many years with Pharmaceutical Chemist, W. London; highest references; unqualified; disengaged May 5th. Smith, 5 Redgrave Road, Putney, S.W. 15.

A SSISTANT, young, energetic; highest references; disengaged; locum, permanent; Midlands, North, or South. Apply 215, 17, Office of this Paper.

BOOKING "Locumy" anywhere; qualified; experienced, reliable; photo and references on application. "Pharmacist, Priory Park Road, Kilburn, N.W.

PRANCH Manager (35); qualified; 14 years' Dispensing, Counter, and Photographic experience; good appearance and address; keen Salesman and good Window-dresser. Hey, 11 Clarence Road, Sparkhill, Birmingham.

CAPABLE Assistant; excellent Prescriber, accurate Dispenser, Bookkeeper, etc.; tall, gentlemanly; permanency or locnm; active; good worker; well recommended. Apply 214 39, Office of this Paper.

CHEMIST (22); Honours (B.Sc., Loudon' French and German; six months' experience in Photographic Developers; excellent references; nominal salary. M.L. 54810, Office of this Paper.

COUNTER Hand; disengaged; experienced. Mitchell, 49
Treverton Street, London, W. 10.

DISENGAGED; locum or permanent; Branch Manager, qualified; 50; varied experience, London and provincial; reliable; satisfactory references. "Pharmacist," 38 Weudover liable; satisfactor Road, Harlesden.

DISENGAGED; qualified; elderly; Locum or Manager; out or indoors; moderate. Apply J. Allen, 17 Prince's Road, Wimbledon, S.W.

DISPENSER; age 26; single; qualified Dispenser; good experience; X-ray Operator and Electrician; General Medical this Paper. Apply M.L. 50619, Office of this Paper.

DISPENSER (Hall) requires post with Doctor or Chemist; experience with both; good testimonials. Miss Burstow, 17 Nichols Square, E. 2.

DISPENSER, Hall certificate, lady, age 27, requires post; Chemist, Institution, or Doctor; full or part time; would entertain season appointment anywhere. "Medical," 171 Victoria Road, Alexandra Park, N.

DISPENSER-BOOKKEEPER, DISPENSER BOOKKEEPER, lady, young, Hall Certificate, desires post, town or country, temporary or permanent; free ow; Hospital experience. Sands, 40 Belsize Park Gardens, Hampstead, N.W. 3.

DISPENSER, Bookkeeper, Storekeeper, Clerk, any position of trnst; Doctor, Institute, Wholesale, Retail; good staff controller; 5½ years' war service as specially enlisted Dispenser, R.A.M.C. Clanwilliam, Lowcay Road, Southsea.

DISPENSER (Hall), 28, male, requires position with Chemist or Doctor (Bookkeeping): disengaged; London preferred. 175 Harold Road, Upton Manor, E. 13.

DISPENSER (lady), Hall; experienced Hospital, Surgery (Book-London or near. Apply 215/25, Office of this Paper.

DRUG-STORE Manager, Assistant, or Locum; 31; smart Salesman, np-to-date Window-dresser, Prescriber; Photography: abstainer; unqualified; disengaged; London only. "L.," 114 South Park Road, Wimbledon.

 $E^{\rm VENING~Assistant};$  W. or W.C.; age 32; energetic; thorough experience all branches. C/o Roth, 20 Dunster Gardens, N.W. 6.

EXPERIENCED all-round Assistant, tall, as Manager, Senior, or Assistant; permanency or Locum; highest references. "Statim," 23 Doughty Street, Holborn, W.C.

JUNIOR, unqualified (24); good all-round experience, Phography and Window-dressing; very good referent moderate salary; permanent or locum. Apply 213 38, Office this Paper.

JUNIOR (18½), tall, 3½ years' experience, passed Part 1 Minor desires position. Lumb, Drury Lane, Stainland, near

JUNIOR Assistant (21), with thorough knowledge Photo graphics and used to quick Counter trade, requires further pispensing experience. 216/25, Office of this Paper.

L ADY Dispenser (Hall) wishes post; Doctor, Chemist, Institution; quick, accurate; good experience with Chemist, Dispensing, and Counter work. Apply 210,54, Office of this Paper.

L ADY desires position as Toilet Assistant in good-class business reliable; experienced; good reference; Devon preferred 214, 3, Office of this Paper.

LADY (24), Hall, 4 years Dispensing experience, desires apprenticeship with Chemist. Apply "Dispenser," "Park," promley Road, Catford, S.E. 6.

LEEDS and Districts.—Half-day or Evening Locum, or Resident Representative for established house. Send for address, 415 2, Office of this Paper.

OCUM; Liverpool and the North; qualified; 34; until June 5th and July free; reliable; £4 10s. and railway fare. Apply 213/2, Office of this Paper.

Dispensing, Counter, LOCUM (unqualified); good Manager; Dispensional Surgical, Medical, and Hospital experience, 122 Scott-Ellis Gardens, N.W. 8.

L OCUM, qualified, 25 years' first-class experience, highest references, Booking June to end July; will accept any position this month at low terms; good appearance. Parker, 177 Hammers with Peed W. mersmith Road, W.

CUM (26); qualified; free now, onwards. Hanley Road, Finsbury Park, N. OCUM (26);

L OCUM, disengaged May 14; can take entire charge; qualified, reliable; best references; moderate salary. "Chemist," 85 Northgate Street, Gloucester.

JOCUM, qualified, lady, experienced, disengaged now and onwards; Chemist, Doctor, Institution. "B.," "St. Mary's," Hall Lane, Upminster, Essex.

M.P.S. and R.D.S.; elderly, competent, energetic; sold his doors) or an equivalent; highest references; full particulars. Apply 212,26, Office of this Paper.

MANAGER, qualified; seven years last situation; age 46: married (no family); country town preferred. J. W. D., 8 Kellett Road, Brixton, S.W. 2.

MANAGER or Locum, disengaged; well np all branches; sonal interview; good Prescriber. "Chemist," Ivy Cot Whitchurch Lane, Edgware.

PART TIME; qualified; mornings and evenings; London district. "X" (214,400), Office of this Paper.

PHARMACIST, out of business; Locum, temporary; wide perience, town, country; disengaged May 8th. Frontlock, Ivy Cottage Wotton-under-Edge.

POST required by young lady; one year's ex. Doctor; Hall Certificate, Bookkeeping, etc. experience with Avenue, Ilford, Essex.

QUALIFIED seeks position as Assistant or Branch Manager; 25; six years' West-End experience. Apply M.L. 1445/22. Office of this Paper.

QUALIFIED (36), married; 15 years' all-round experience; thoroughly competent; highest references; S.W. Coast preferred. Bedingfield, 11 South Street, Bridport.

QUALIFIED (25); high-class experience and reference Chemist, Hyde Park Pharmacy, Woodhouse Street, Leeds.

QUALIFIED (28) desires post in good-class Pharmacy, or would take Locum work; good Salesman; excellent references; disengaged 20th inst. Roberts, Ceutral Pharmacy, Pwilheli, N. Wales.

QUALIFIED; Locum or permanency; lady; experienced; Square trained; Hospital or Retail; London preferred. Hughes, 50 Albion Road, Swiss Cottage, N.W. 6.

QUALIFIED Chemist, disengaged, open to locum work or good position; Dispenser, Prescriber; references. Kissell, 74 Hamilton Road, Golders Green, N.W. 11.

QUALIFIED, disengaged, requires position, Manager or Assistant: good experience Dispensing and Photography. Apply Moody, 3 Market Place, Driffield.

QUALIFIED; Locum or Manager; first-class all-round experience; up-to-date; interview. Kilvert, c.o Bennett, Greenfields, Bishop's Castle, Shropshire.

QUALIFIED; 33; tall; locum or permauency; all-round experience. "Statim," 49 Elizabeth Street, Belgravia, S.W.

QUALIFIED, 38, married, 20 years' all-round experience, capable and energetic, requires permanency as Manager, immediately. "Chemist," 314 Blackburn Road, Egerton Bolton.

QUALIFIED Locum now booking engagements; 48; total abstainer; reliable. Beckwith, 71 Sunbary Road, Liverpool.

gi; b

UALIFIED (32), single, 17 years' all-round experience, disengaged shortly. 216/21, Office of this Paper.

EGISTERED, elderly, branch small, Prescriber, Super, etc. Address "D.," Eastdean, Bowdon, Cheshire.

TAIL permanency, in or near London; qualified woman; nine years' all-round experience. "M.P.S.," 5 Swallow et, W. 1.

OTSMAN; qualified; ex-Service, 3 years; 23; tall; 4½ years' Retail and Dispensing; ambitious; personality; wishes to a Photographics; good house; sound investment; highest rences. Apply 214/16, Office of this Paper.

ASON or permanency.—Assistant; unqualified; tall; 20 years' experience Counter, Dispensing, Photographics. Harris, 24 Road, Edgbaston, Birmingham.

UTH DEVON.—Qualified, capable lady desires post, locum or permanency; moderate terms. Apply Bond, North Hill macy, Plymouth.

MPORARY or otherwise; qualified; middle-age; good references; vacant 15th; moderate terms. Burn, 80 Blackpool t, Burton-on-Trent.

IS month at liberty; offers invited; good varied experience in all branches. Morgan, 79 Cecil Street, Manchester, S.

QUALIFIED Assistant; keen, accurate Dispenser; Front Counter experience; moderate salary; attractive Window, Dresser, Photography; appearance good; references. "Drng," 12a Jackson Street, The Groves, York.

QUALIFIED, elderly, wants situation; good Counter and N.H.I. Dispensing experience; 14 years in last situation; y moderate; good references. J. D. Ward, 251 Regent Road, rd, near Manchester.

QUALIFIED (24), 6 ft., June to mid-September; going college October; Dispensing, Photography, Stock, Windows; a Coast town; accustomed brisk Counter business; abstainer; nce. 216/15, Office of this Paper.

ANTED, position, permanent for preference; referred in Mat. Med.; all-round experience. "B." (215/37), Office is Paper.

UNG lady (Hall), experienced Chemist and Doctor, desires post in Bristol or district. J. Forster, Kingstone, Hereford.

UNG Lady requires post as Junior or Improver; three years' experience in good-class Dispensing business. Ellis, 6 ill Terrace, Carnarvon.

UNG qualified lady, good Hospital experience, seeks Retail experience; would accept £1 10s. weekly until proficient; references; Manchester or Stockport district preferred. 39, Office of this Paper

UNG lady, smart and well educated, will accept small salary with object of gaining experience; London preferred. Apply 33, Office of this Paper.

UNG lady; seven years' General experience Counter, Dispensing. Apply 215/6, Office of this Paper.

### WHOLESALE.

or 18 words or less; 6d. for every additional 10 words or less, prepaid.

TBURN-BY-THE-SEA.—Resident Pharmacist and Optician seeks representative position; 20 years' qualified managerial and Wholesale experience; salary, commission, and expenses lops House," 62 Ruby Street.

VERTISER, selling £7,000 of Perfumery and Soaps per annum, seeks re-engagement. "Opoponax" (214/12), of this Paper.

ISTANT, excellent Salesman, 9 years' Store experience, desires berth as Representative or anything suitable, with sale house; tall, well built, of commanding appearance. "Magnum," 7 St. Botolph's Avenne, Sevenoaks, Kent.

'JGGISTS' Sundriesman requires situation; good all-round man; 14 years' experience with London firm. Steward, 22 with Street, Poplar.

'ERIENCED Representative, good connection London and Midlands, disengaged; thorough knowledge Sundries, Dress-Bottles, Packed Goods, Drugs, etc.; well known. Apply 4, Office of this Paper.

SERVICE; 22; good theoretical knowledge of Chemistry one year's practical experience in chemical factories; edu Secondary School, University of Wales. Apply M.L 21, Office of this Paper.

Y Supervisor; good General knowledge; capable control; xeellent references; can keep on stock and wages books. 26 Beulah Hill, Upper Norwood, S.E.

GENTLEMAN, 38, wishes appointment as Buyer, Salesman, Representative, or any other position of trust; ten years' Retail experience, 12 years as Drug and Chemical Merchant, and one year Departmental Manager, Chemical firm; would travel for wholesale Druggists, Soap Manufacturers, Toilet Goods, or any other branch of trade; plenty of energy, initiative, and tact; could open up export trade. Reply P.C.B. 23/23, Office of this Paper.

GENTLEMAN (40), thoroughly experienced Home and Export, desires position as Office Manager; first-class accountant and correspondent; highest references. P.C.B. 25/26, Office of this Paper.

CENTLEMAN requires re-engagement as Traveller, with Drug (or other) house of good standing; many years' connection amongst leading buyers; keen worker; qualified Chemist; excellent references and selling record. 215/13, Office of this Paper.

JUST left school, smart lad, 15 years, good appearance, 5 ft. 10 in. Lester, 5 Brettell Street, London, S.E. 17.

LABORATORY man; disengaged; experienced. "G. W.," 12
Ebury Bridge Road, Pimlico, S.W. 1.

LIVE and energetic salesman, connection all Wholesale and Retail Chemists in Scotland, knowledge of advertising and propaganda work, nine years' travelling experience and first-class selling record, would like to represent firm of patent medicines or other good house on salary commission and expenses; references given. Apply 211/10, Office of this Paper.

PACKED GOODS AND TOILETS.—Practical man with good experience desires position with progressive house; London or S.E. preferred. Apply P.C.B. 25/2, Office of this Paper.

TECHNICAL Chemist, 34, Captain,  $4\frac{1}{2}$  years' war service, M.A. honours B.Sc. Edinburgh, pre-war research and management and business experience, seeks responsible position in works or with commercial house requiring hard work and carrying reward; just relinquished post as Chief Chemist. Apply M.L. 8590, Office of this Paper.

WILL any Chemist or Company engage reliable, experienced, unqualified man, who understands Mail Order Advertising, and can introduce good selling line for coming summer season; London or provincial commercial city; would live on premises if required. 213/25, Office of this Paper.

### SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

CAPE COLONY or Rhodesia.—Situation as Manager (or with view to succession) in Cape Colony or Rhodesia, about November next; first-class London experience and best references. Apply 213/9, Office of this Paper.

MANUFACTURING Chemist, age 24, single, educated Hartley University, fluent Spanish, good knowledge Chemistry manufacturing and Pharmaceutical, also Medicinal Formula, wishes to go abroad; Spain or Spanish-speaking countries. Apply M.L 13256, Office of this Paper.

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10s. for 60 words; 1s. for every additional 10 words or less.

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SHOP FITTINGS.—Second-hand Drug Fitting, glass-fronted Counter, Wall Cases, and Dispensing Screens for immediate delivery; lowest price consistent with high-class work. H. Mills & Sons, Shopfitters, 163-165 Old Street, E.C. 1.

SHOP FITTINGS.—Quantity of modern fittings and showcases ready for immediate delivery; reduced prices; silent salesman Cases, Counters, etc. Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

# Pharmaceutical Council Election. -> Don't forget ANTCLIFFE No. 1 ON THE LIST

BOTTLES (Surplus).—10,000 × 10-oz. Kalis, second-hand, easily washed; 25 gross ½-oz. flat-top stoppered; 100 grcss 3-drachm; any reasonable offer accepted, whole or part; samples sent on receive of postage; 14 bulbs Johnson's Auri. Chlor., wrappers soiled; offers. Underwood & Barker, Ltd., 10 Little Saint Andrew Street, W.C. 2. Telephone: Gerrard 6725.

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### PHARMACEUTICAL **ELECTION, 1922**

### To the Members of the Pharmaceutical Society

I have decided to offer myself as a candidate for the Counci of the Society, and in this decision I am supported by over sixt Pharmaceutical Associations.

I am a Pharmacist in retail business on my own account, and I have always held that our Qualification a based upon our Training and Examination even at its presens standard deserves fuller recognition and remuneration fror Parhament, the medical profession, and the public.

I have been an Examiner for over 20 years, and bay been acting as the Society's visitor to the different Scbools or Pharmacy seeking approval under the Society's Scheme. I have thus had conferences with Pharmacists and Pharmaceutical Associations in different parts of the country, and in this way I have gained an insight into the many sides of Pharmaceutical life. During 1920-1921 I served on the Joint Committee of representatives of the Society and of the Royal Army Medical Services appointed to consider the Employment of Pharmacists in the Army.

I was for 11 years an Hon. Secretary of the Britist Pharmaceutical Conference.

Army.

I was for 11 years an Hon. Secretary of the Britis!
Pharmaceutical Conference, and for two years occupie
the Presidential Chair.

At this juncture, when the Society, in consequence of th
decision in the test case, is devoting its energies more part
cularly to the professional side of Pharmacy. I am persuade
that my qualifications would be of considerable use to th
Council in developing their new policy.

I am a member of the R.P.U., and have for man
years been a supporter of the P.A.T.A. and C.D.A
From this fact it will be seen that, whilst being keen on th
professional side, I am fully alive to the necessity
conserving the business interests of Pharmacy.

I believe that my varied experience gained in the abov
activities in Pharmacy would be of service to you and th
Society, and I shall be grateful if you would be kin
enough to record one of your votes in my favour.

Yours very faithfully,

### E. SAVILLE PECK,

30 Trumpington Street, Cambridge, April 9th, 1922. M.A. (Cantab), Ph.C.

### EXCHANGE COLUMN.

2d. per word: Minimum 2s.

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- CODEX 1911; perfect condition; never used; what offers? 215/9. Office of this Paper.
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- ABOUT 2 oz. Santonine, brass 1-lb. Counter Scales (bobeam), Glass Retorts; what offers? Penrose Kernick, Chevaluer, 14 Moira Buildings, Cardiff.
- SYPHON TRUCK for 2 dozen; perfect condition; rubber Also large Outside Gas Lamp; good coudition. Offers in 8 Onslow Place, S. Kensington, London, S.W. 7.
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### WANTED.

- 20-FT. OXYGEN CYLINDERS; state price. Sligo Dru Sligo, Ireland.
- Merck's make only. Snow, Pharr
- DUBOISINE wanted, Merck's make only. Snow, Pha High Street, Marlow. PHARMACEUTICAL Books wanted; cash offers on receipt. Bookseller, 41 Voltaire Road, Clapham.
- NATIONAL Cash Register, modern; medium size. Parti and price, Henderson, Chemist, Llanelly.
- SECOND-HAND Fittings wanted; cases, drawers, recess eto. "Chemist," 660 Argyle Street, Glasgow.
- ONE pear-shaped Carboy; height, with stopper, 3 ft.; cabout 13 gallons. "London" (214/11), Office of this RADIUM SALT, pure of Residues, old Applicators, etc.
- Harrison Glew, Radium Laboratories, 156 Clapham S.W. 9
- ONE or two Tablet Compressing Machines for power: m in good condition. State makers' name and price to M Bros., 8 Caledonian Road, Kiug's Cross, London.



# RETAIL PRICE LIST

based on definite costing principles.

### MAY SUPPLEMENT

e Prices given below are additions, or in most cases alterations, in either the Cost or Selling Prices since the issue the C. & D. Retail Price List in the C. & D., April 8.

e method of using the Price List is explained on the front page of the quarterly publication.

ese Prices enable Chemists to revise the C. & D. Retail Price List up to May 1.

							<del></del>						
	Cost	Selling Price (solid or liquid)				d)		Cost   Selling Price (solid or liquid)					
	1 lb. or as stated	16 oz.	4 oz.	1 oz.	1 dr.	Gr. or m		1 lb. or as stated	16 oz.	4 oz.	l oz.	1 dr.	Gr. or m
ni alb. elect, alb. pulv. opt. alicyl c. synth m pulv pulv polas zoas synth mid coml s frice) frice) frice) frice) frice) s pulv for. nov. s pulv s pulv coml. pulv. cwt. coml. pulv. cwt. frice) ium s pulv ium poz. huris ium lydras ium lydras lydras lydras lydras coz. cosalicylas	3 4 6 6 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s. d. 5 3 5 0	5. d. 1 6 1 5 2 2 1 3 1 4 1 4 1 2 10 0 10 1 3	0 9 - 0 4 1 10 1 10 1 10 1 10 1 10 1 10 1 1	s. d. — — — — — — — — — — — — — — — — — —	s. d.	Conf. rosæ caninæ '85 Crème d'amandes, scented Crème d'amandes, unscented Creta cum camphora 12½ p.c. Creta præparata Crocus Valent oz. Cupri sulph. coml cwt. Daturina B gr. Daturinæ sulph ggr. Diastasum oz. Dichloramin. T oz. El x. formatum B.P.C Elix. guaranæ B.P.C	3 4 1 4 4 7 8 8 9 4 4 6 6 3 3 4 4 5 5 5 4 6 6 0 0 7 7 6 6 6 6 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s. d. 3 2 3 6 3 11 5 6 1	s. d. 0 11 1 0 1 2 1 7 3 1 1 0 1 7 1 6 1 4 - 2 2 1 8 2 2 10 - 4 1 1 6 2 10 2 6 0 10 2 6 0 10 3 9 1 10 1 8 2 1 1 8 2 1 1 1 1 0	s. d. — — — 0 4 0 5 — 0 6 0 5 0 4 ½ — — 0 7 0 6 0 10 1 2 0 5 0 9 0 8 — — 14 lb. — — 4 6 3 0 0 9 1 0 1 3 — — 0 9 1 0 0 6 — 0 7 — — — — — — — — — — — — — — — — —	s. d	s. d

Cost Salling Date ( P.L. P. ' D											
	Cost	Selling Price (solid or liquid)			Cost	Se	lling Pr	ice (solid			
_	or as stated	16 oz.	4 oz.	1 oz.	1 dr.	Gr. or m		1 lb. or as stated	16 oz.	4 oz.	1 oz.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.		s. d.	s. d.	s. d.	s. d.
Emp. resinæ	2 3.		1 0	0 4	_	_	Pil. rhei co. pulv	6 8	- 1	s. d. 2 10	0 9
Emp. roborans C	2 8 3 4		1 2 1 5	0 4	- )	_	Podophyll, resina oz.	2 6	_		3 9
Emp. saponis C Emp. saponis fusc. C	3 2		1 4	0 5			Potassa caust. (black ash) Potassa caust. (gran.)	1 4	2 0 2 3	0 7 0 8	0 2
Emuls. petr. et hypoph. B.P.C.	2 2	3 3	1 0	_	_	_	Potassa caust. (sticks)	4 3	6 5	1 10	0 6
Ess. puleg. 1 in 10	10 6	_	4 0	1 1	_	_	Potassa sulphurata	2 4	3 6	1 0	0 31
Ext. aloes pulv	4 9	_	2 1	_	<u> </u>	_	Potassii bicarb. pulv	1 2	1 9	0 6	- 1
Ext. aloes Socot. pulv	8 6		3 9	1 1	_	_	Potassii bichrom	1 3	1 101	0 7	0 2
Ferri arsenas B	7 0	_	3 0	0 10	0 1½ 0 9	_	Potassii bromid. cryst	1 7	2 3	-	-
Ferri valerianas oz.	2 6	2 10	0 10	3 9	0 9		Potassii ferricyan Potassii hypophosphis oz.	6 8 0 93	10 0	2 10	0 9 1
Glyc. thymol. co	1 3	2 0	_		_		Potassii metasulph	1 9	2 8		
Hæmatox. lign. incis	0 71	1 0	0 31	_	_	_	Potassii oxalas neut. E	3 6		1 6	0 5
Homatropina B gr.	0 41	_	-	_	-	0 9	Potassii permang	1 5	2 2	0 71	0 2
Homatrop, hydrobrom, B gr.	$0 \ 3\frac{1}{2}$	_	_	-	_	0 7	Pulv. cretæ aromat	1 8	-	0 81	0 3
Hordeum perlat	0 51	0 81	_	2 0	0 6	-	Pulv. cret. arom. c. op.	2 1		1 0	0 4
Hyd. iodid. rubr C oz. Hyd. iodid. virid C oz.	1 9			2 8 2 4	0 6		B, ex F Pulv. glycyrrh. co	2 4	2 8	1 0 0 9	$\begin{array}{c c} 0 & 4\frac{1}{2} \\ 0 & 3 \end{array}$
Hyd. oxid. rubr C	8 2		_	1 0	*		Pulv. ipecac. co. B, ex F	5 3		2 3	0 7
Hyd. sulphocy Coz.	1 5	_	_ }	2 2	0 5	_	Pulv. jalapæ co	4 3	_	1 10	0 6
Hydroquinone	7 2	_	2 9	0 9	_	_	Pulv. rhei co	3 6	-	1 7	0 5
Inf. lupuli conc. 1-7	3 10	_	1 9	_	_	_	Pulv. rhei co. 3-oz. kali, sell				11
Inf. scoparii conc. 1-7	2 10 2 10	_	1 3	4 3	0 10	_	1s. 9d.	4 0		0.1	0.7
Inj. cocain. hypod. B, F oz. Inj. ergotæ hypod. B oz.		_		4 3	0 10	_	Pulv. tragacanth. co Quinin. valerian oz.	4 9 9 0		2 1	0 7
lni, morph, hypod. B, Foz.	1 3	_	_	2 0	_	_	Resorcinum oz.	1-2		Ε.	1 9
lodum resub oz.	2 0	—.	_	_	_	_	Rouge, jewellers'	3 0	4 6	1 31	0 4
Jalapæ rad. (V.C.) pulv	4 3	_	1 101	0 6	_	_	Saccharum lactis pulv	1 10	2 9	0 10	0 3
Kamala (sifted)	9 0	_	4 0		· -	_	Sapo animalis	1 3	1 103		-
Leptandrin oz.	1 3	_		2 0	$0   4\frac{1}{2}$	- I	Sapo animal. pulv	1 8	2 6	0 81	_
Lin. aconit. meth. B	3 4 5 0		1 4 2 0			-	Soda caustic (sticks) Sodii benz. artif	2 6	3 9	1 2 1 3	0 4 0 4
Lin. camph. ammon	6 4		2 6			·	Sodii benz. artit Bdr.	2 10		1 3	- 1
Lin. opii ammon, $B$ , ex $F$	8 6		3 3	0 10	_ 1	_	Sp. æther. comp	8 6	_	3 3	0 11 0
Liq. adrenalin. hyd. oz.	2 10		_	4 3	0 10	<b>/</b>	Sp. rosmarini	23 9	_	9 2	2 5
Lig. antim. chlor. '85	1 1	2 6	0 9				Sp. saponatus	6 8	10 0	2 10	0 9
Liq. antim. chlor. coml	0 11	1 10	3 9	1 0	0 2	_ "	Sp. vini meth. 64 o.p. gal.	7 3	1 2	0 4	- 6
Liq. cauloph. et puls. B.P.C. Liq. euonymi et cascar.	7 0		3 9 3 0	0 10	0 2 0 1½		Sp. vini meth. 64 o.p. gal. Sulphur sub. sec cwt.	4 3 24 9	pint 7 lb.	0 10 2 4	gal. 6
Liq. euonymi et papain	7 0	_	3 0	0 10	0 1		Syr, rhei	1 6	/ Ib.	0 10	0 3
Lig. formaldeliydi	1 5	2 2	0 8	_	_ ~	_	Syr. ribis nig	3 4	_	1 10	0 6 0
Liq. morph. acet B, F	5 3		2 4	_	-1	. —	Syr. violæ	1 7	-	0 101	0 3
Liq. morph. hyd B, F	5 3		2 4	-		_	Theobromina oz.	2 0		_	3 0 0
Liq. potassæ Liq. sennæ dulc	$\begin{array}{c c} 0 & 9\frac{1}{2} \\ 3 & 0 \end{array}$	1 2	0 5 1 4	0 5			Theobromin. sod. acet. oz. Thiosinamin oz.	$\begin{bmatrix} 2 & 0 \\ 2 & 0 \end{bmatrix}$			3 0 0
Manna elect. nov	9 0	_	4 0	1 1			Thymol oz.	2 10			4 3 0
Mel Calif	1 3	1 10	0 7			_	Thymotussin	9 0	_	3 6	1 0
Mel Jam	1 2	1 9	0 7	-	-	_	Tinct. asafetidæ	6 8	-	2 7	0 81
Mel boracis	1 6	3 4		1 -		-	Tinct. hydrastis C	10 0	-	3 101	1 0 0
Methyl salicylas oz Methylsulphonal oz	4 4 2 0		2 3	3 0		_	Tinct. opii B, F Tinct. opii '98 B, F	5 3 5 0		2 2 2 2 0	0 7
Mist, ol. ricini oz	2 0	3 0	0 10				Tinct. opil 90 B, F Tinct. zingib. fort. '85	7 0		2 8	0 9
Nucis vomicæ pulv. B	2 4	3 6	1 0	0 4	_ \	_	Troch. bismuth. et sodæ	3 10	_	1 9	0 6
Ol. lavand. spic. ver	13 3	_	5 8	1 6		-	Troch. capsici	3 3	-	1 5	
Ol. morrhuæ (vet.) gal.	5 3	pint	1 2	gal.	8 0	-	Troch. cinnam	4 0	-	1 9	0 6
Ol. sassafras nat	11 0 3 10	5 9	4 9 1 8	1 3 0 6	0 21	-	Troch. ipecac	3 6	_	1 6 1 6	0 5 0 5
Ol, theobromat Oxymel ipecac	1 9	3 3	1 0	0 3			Troch. mentholis C	3 6 3 9		1 8	0 3
Pepsin. porci oz.	2 10		_	4 3	0 10		Troch. pot. chlor. T.H	3 6	_	1 6	0 5
Pepsin. (scale) oz.	3 0	_	_	4 6	0 11	_	Ung. belladonnæ B oz.	0 81	_	_	1 1 0
Pigmentum iodi (Mandl)	4 9	_	2 7	0 9		-	Ung. camph. B.P.C	2 9	4 2	1 21	0 4
Pil. aloes et asafet, pulv	5 6	_	2 5	0 8	0 11	_	Ung. gallæ	2 4	-	1 0	-
Pil. aloes et myrrh. pulv.	5 0 7 4	_	2 2 3 2	0 7 0 10	0 1	' -	Ung. glyc. plumbi sub. '98	2 10		1 3 1 10½	0 4 0 6
Pil. cambog. co. pulv Pil. coloc. co. pulv	7 4 9 0		4 0	1 1	0 1 0 2	Ξ	Ung. hyd. subchlor Ung. ichthamol	4 3 3 0		1 102	0 41
Pil. coloc. et hyoscy. pulv	13 6		5 9	1 6	0 3		Ung. lanæ co	2 6	3 4	1 1	0 4
Pil. galban. co. pulv	9 6	_	4 2	1 1	0 2	_	Ung. resorcini co. B.P.C	6 ر	_	2 4	0 8
Pil. hyd. subchlor. co. pulv.	8 6	-	3 9	1 0	0 2	_	Ung. "scarlet.ed" 5%	5 6		2 4	0 8 -
Pil. quin. sulph oz.	4 9	_	-	7 2	1 3	-	Urea oz.	0 5	-	- 1	0 8 0

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